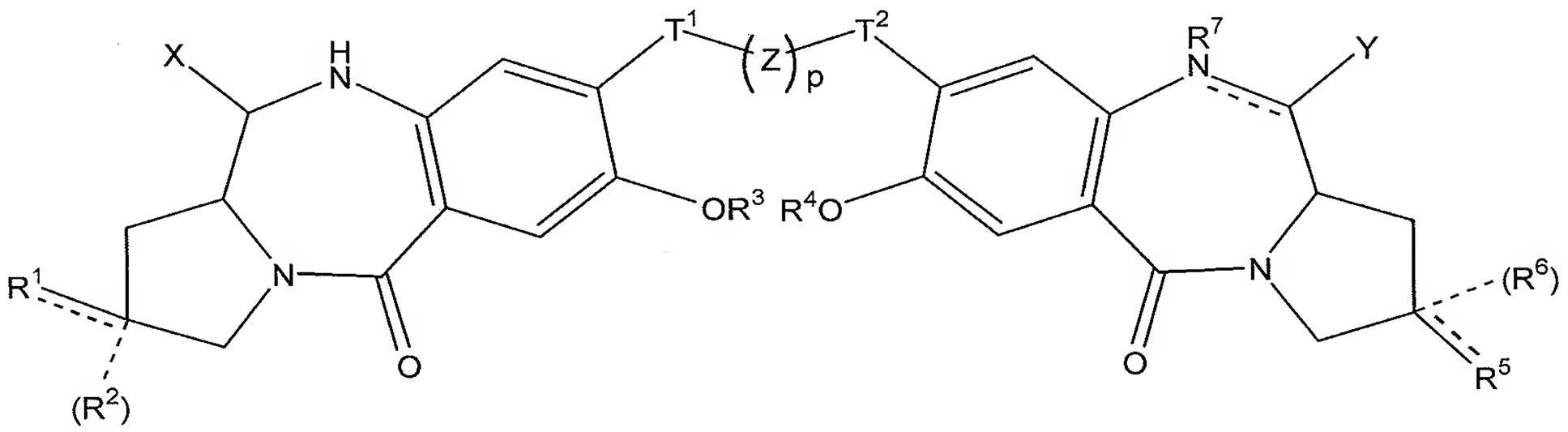
AMENDMENTS TO THE CLAIMS

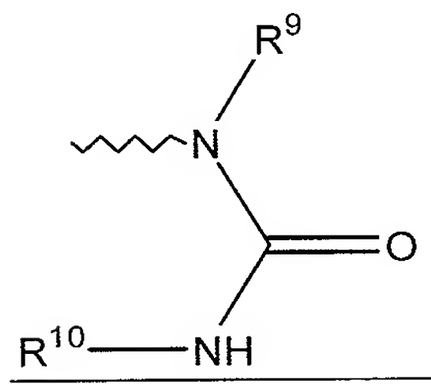
This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) A compound of Formula I:



(Formula I)

wherein X is a substituent selected from the group consisting of an OH, ~~an ether, a silyl ether, a trialkyl silyl ether, an ester, a carbonate, a carbamate, a thiocarbamate, a cyclic carbamate, a cyclic thiocarbamate, an acetate, SH, a sulfide, a sulphoxide, a sulphone, a sulphite, a bisulphite, a sulphonamide, an amine, an amide, an azido, a cyano, a halo, a triphenylphosphonium, a silyl, a trialkyl silyl, an amino acid derived group, and a phosphorus containing group~~ —OR, —$OSiH_3$, —OSiRR'R", —OCOR, —OCOOR, —OCONHR, —OCSNHR, —SH, —SR, —SOR, —SOOR, —OSO_2R, —OSO_2H,— NHSOOR, —NH_2, —NHR, —NRR', —N_3, —CN, halogen, —P^+Ph_3 X^-, —SiH_3, —SiRR'R", —OCSOR, —$OCO(CHR)_uCOOR$, —$OCO(CHR)_uSR'$, $OCO(CHR)_uNR'R"$, —$OCO(CHR)_uP(=)R'R"$, —$OCO(CHR)_uP(=O)(OH)(R')$, cysteine, and glutathione,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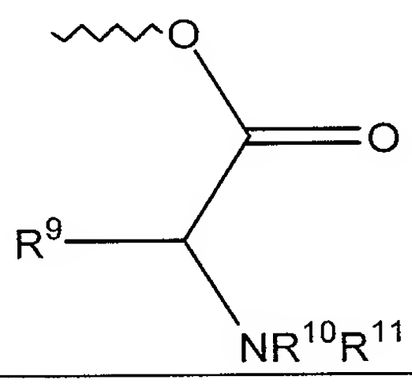
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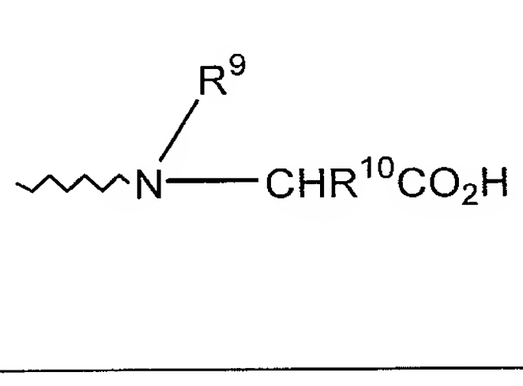
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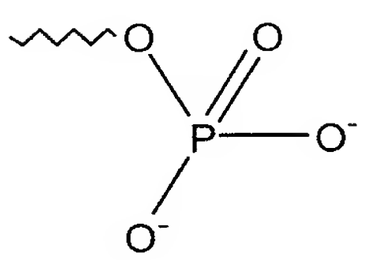
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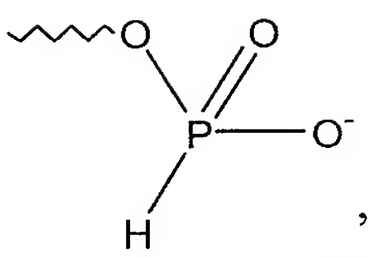
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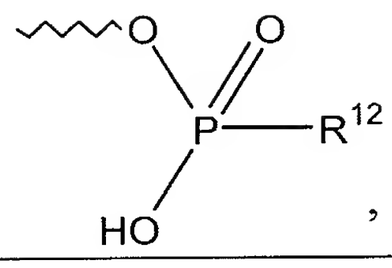
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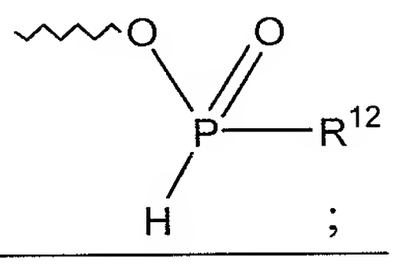
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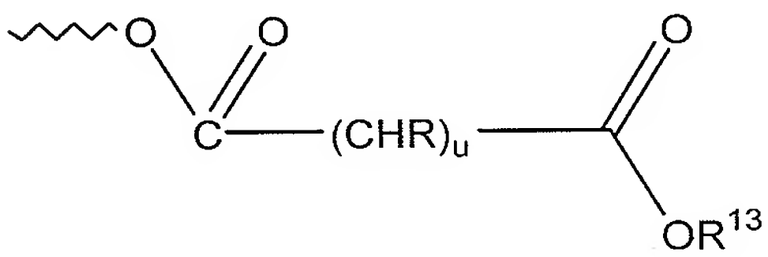
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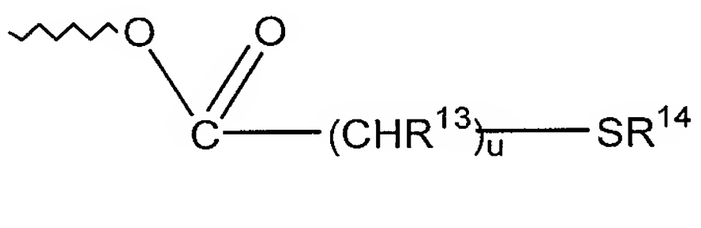
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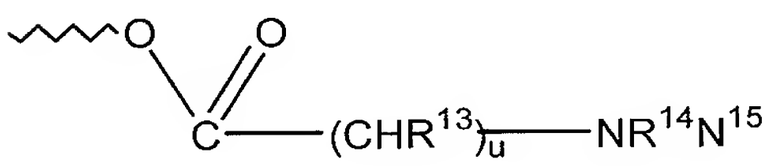
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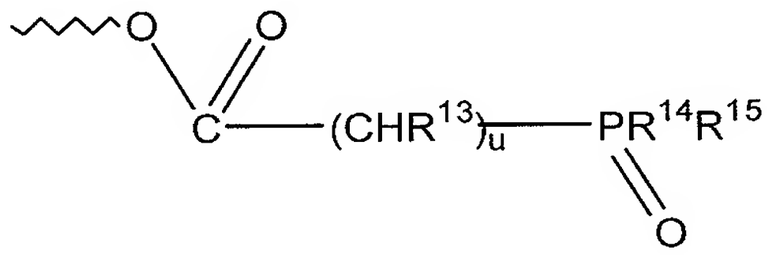
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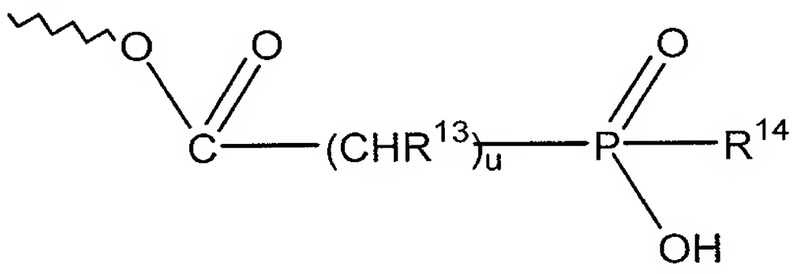

;

wherein each of R^9, R^{10}, and R^{11} is independently selected from the group consisting of H, a C_1-C_8 alkyl optionally substituted with an amine or a carboxylate; an aryl; an aryl alkyl; and a heterocycle;

wherein R^{12} is C_1-C_8 optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle,

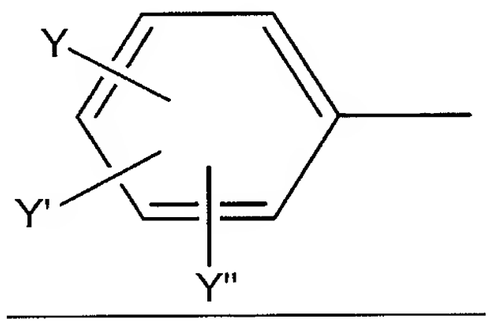
wherein each of R^{13}, R^{14}, and R^{15} is independently selected from the group consisting of H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; and a heterocycle, and wherein u is an integer from 1 to about 16.

wherein each of R^{16} and R^{17} is independently H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle; a monohydroxylic or a polyhydroxylic group;

wherein the bond between the carbon to which Y is attached and the N of NR^7 to which the carbon is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^7 is absent and Y is H, and, when the bond is a single bond, R^7 is H and Y is a substituent selected from the group defined for X, wherein Y is optionally the same as X;

wherein each of T^1 and T^2 is independently O, S, or NR^8;

wherein R, R', and R" are independently selected from the group consisting of C_1-C_{24} alkyl optionally substituted with an amino, hydroxyl, or thiol group, C_3-C_{24} cycloalkyl, C_2-C_{24} alkenyl, C_3-C_{26} alkoxyacetyl, and a group of the structure:



wherein Y and Y' are independently hydrogen, C_1-C_{24} alkyl, arylalkyl, C_2-C_{24} alkenyl, C_2-C_{24} alkynyl, C_1-C_{24} alkoxy, halogen, or Y and Y' taken together form 3,4-methylenedioxy, and Y" is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen; naphthalenalkyl optionally substituted by methyl or halogen; phenyl(C_2-C_{24} alkenyl); cinnamyl; pyridinealkyl optionally substituted with methyl or halogen; dihydropyridinealkyl optionally substituted with C_1-C_{24} alkyl; thiophenealkyl optionally substituted with methyl or halogen; C_6-C_{14} aryl; allyl; and furanalkyl optionally substituted with methyl or halogen;

wherein Z is a divalent radical of an alkane, an alkene, or an alkyne~~, any of which optionally contains a heteroatom or carbonyl and any of which is substituted or unsubstituted~~;

wherein p is an integer that is greater than or equal to 2;

wherein each of R^3, R^4, and R^8 is independently a hydrogen; a C_1-C_{24} alkyl, C_2-C_{24} alkenyl, or C_2 -C_{24} alkynyl, optionally substituted with a group selected from the group consisting of an aryl, a heterocycle, and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl;

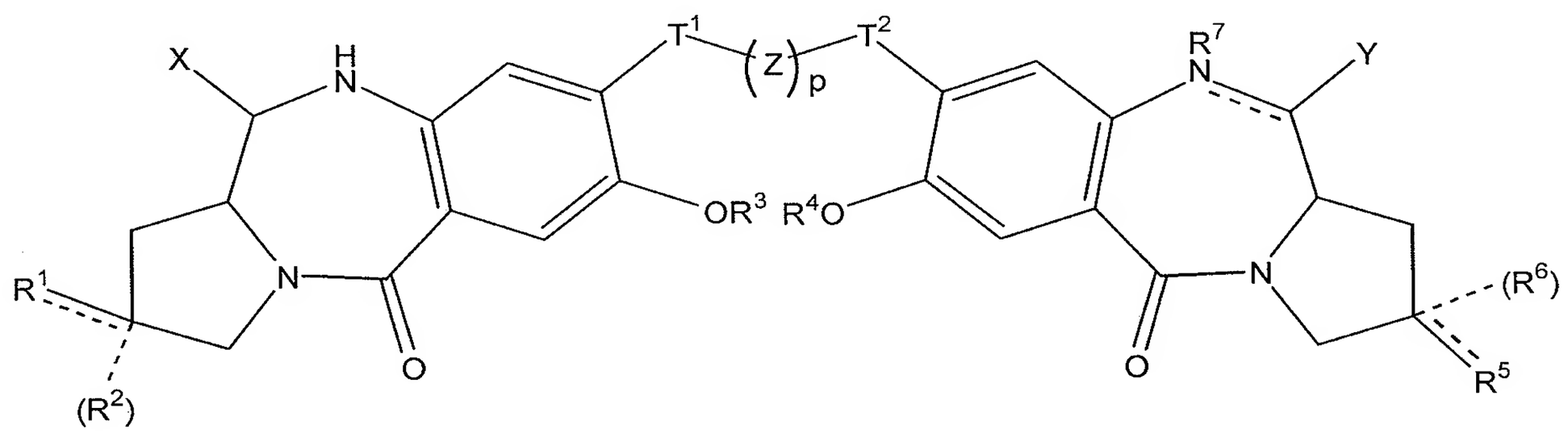
wherein the bond between R^1 and the carbon to which R^1 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^2 is absent and R^1 is a divalent radical derived from an alkane, an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^1 and R^2 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle; and

wherein the bond between R^5 and the carbon to which R^5 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^6 is absent and R^5 is a divalent radical derived from an alkane, an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^5 and R^6 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle;

or a salt thereof,

wherein the compound is a solid.

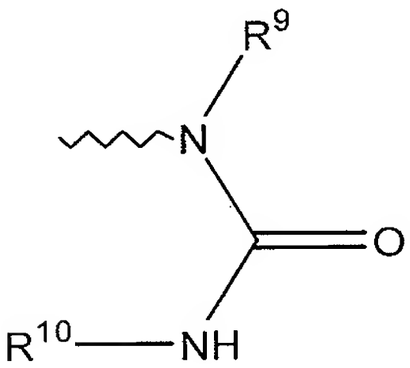
2. (Currently Amended) A compound of Formula I:



(Formula I)

wherein X is a substituent selected from the group consisting of an OH, ~~an ether, a silyl ether, a trialkyl silyl ether, an ester, a carbonate, a carbamate, a thiocarbamate, a cyclic carbamate, a cyclic thiocarbamate, an acetate, SH, a sulfide, a sulphoxide, a sulphone, a sulphite, a bisulphite, a sulphonamide, an amine, an amide, an azido, a cyano, a halo, a triphenylphosphonium, a silyl, a trialkyl silyl, an amino acid-derived group, and a phosphorus-containing group~~ —OR, —$OSiH_3$, —OSiRR'R", —OCOR, —OCOOR,

—OCONHR, —OCSNHR, —SH, —SR, —SOR, —SOOR, —OSO_2R, —OSO_2H,—NHSOOR, —NH_2, —NHR, —NRR', —N_3, —CN, halogen, —P^+Ph_3 X^-, —SiH_3, —SiRR'R", —OCSOR, —$OCO(CHR)_uCOOR$, —$OCO(CHR)_uSR'$, $OCO(CHR)_uNR'R"$, —$OCO(CHR)_uP(=)R'R"$, —$OCO(CHR)_uP(=O)(OH)(R')$, cysteine, and glutathione,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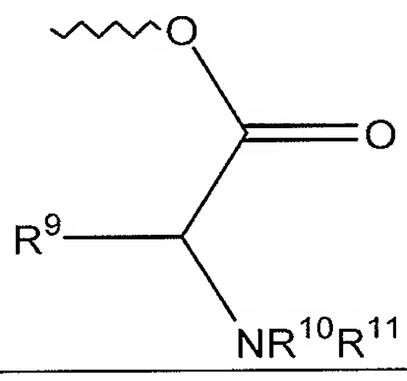
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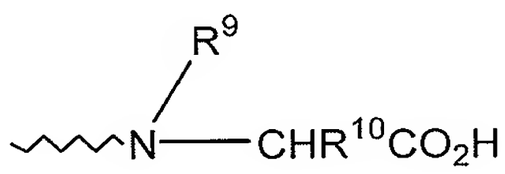
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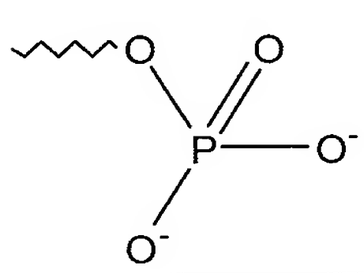
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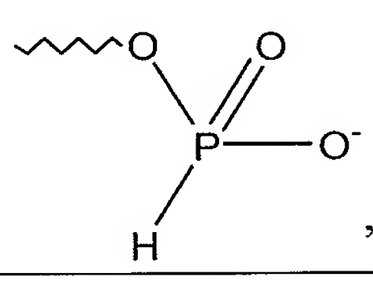
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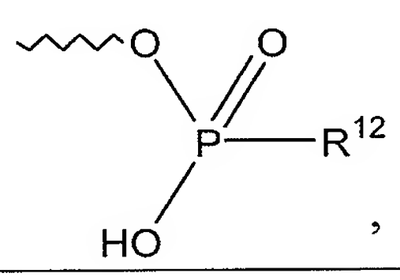
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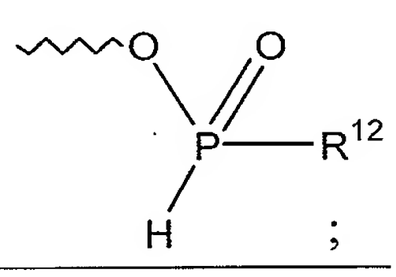
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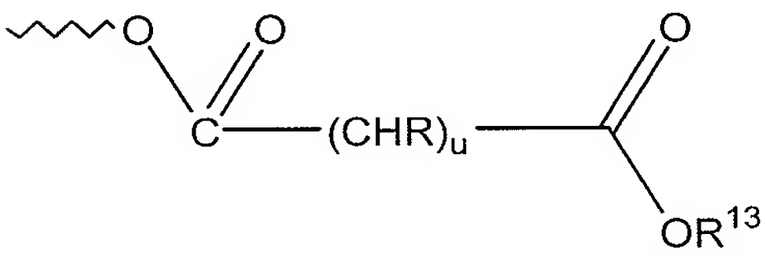
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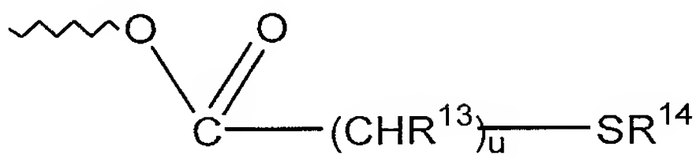
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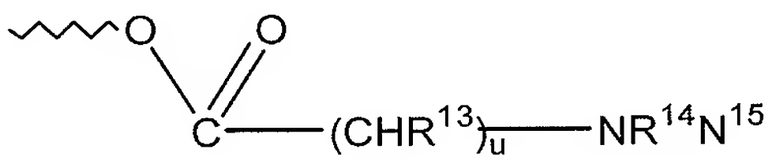
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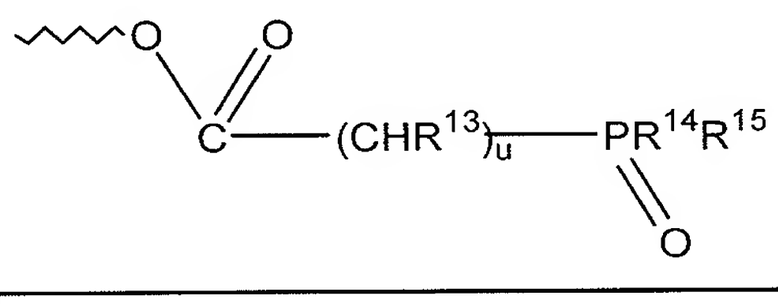
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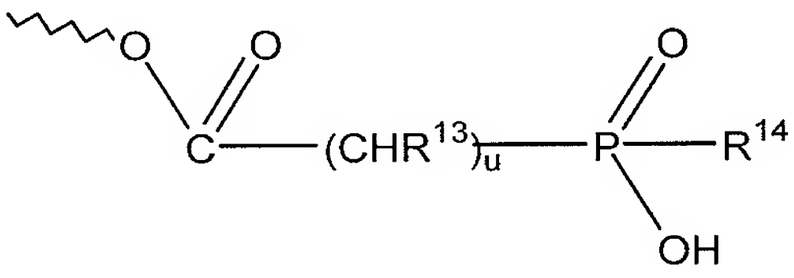

;

wherein each of R^9, R^{10}, and R^{11} is independently selected from the group consisting of H, a C_1-C_8 alkyl optionally substituted with an amine or a carboxylate; an aryl; an aryl alkyl; and a heterocycle;

wherein R^{12} is C_1-C_8 optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle,

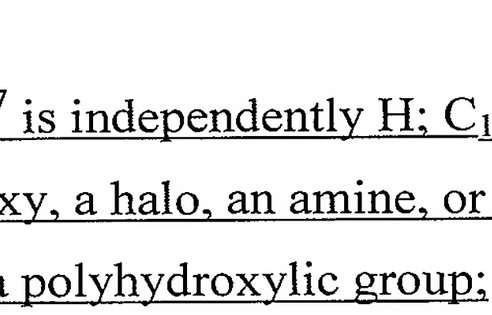
wherein each of R^{13}, R^{14}, and R^{15} is independently selected from the group consisting of H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; and a heterocycle, and wherein u is an integer from 1 to about 16,

wherein each of R^{16} and R^{17} is independently H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle; a monohydroxylic or a polyhydroxylic group;

wherein the bond between the carbon to which Y is attached and the N of NR^7 to which the carbon is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^7 is absent and Y is H, and, when the bond is a single bond, R^7 is H and Y is a substituent selected from the group defined for X, wherein Y is optionally the same as X;

wherein each of T^1 and T^2 is independently O, S, or NR^8;

wherein R, R', and R" are independently selected from the group consisting of C_1-C_{24} alkyl optionally substituted with an amino, hydroxyl, or thiol group, C_3-C_{24} cycloalkyl, C_2-C_{24} alkenyl, C_3-C_{26} alkoxyacetyl, and a group of the structure:



wherein Y and Y' are independently hydrogen, C_1-C_{24} alkyl, arylalkyl, C_2-C_{24} alkenyl, C_2-C_{24} alkynyl, C_1-C_{24} alkoxy, halogen, or Y and Y' taken together form 3,4-methylenedioxy, and Y" is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen; naphthalenalkyl optionally substituted by methyl or halogen; phenyl(C_2-C_{24} alkenyl); cinnamyl; pyridinealkyl optionally substituted with methyl or halogen; dihydropyridinealkyl optionally substituted with C_1-C_{24}

alkyl; thiophenealkyl optionally substituted with methyl or halogen; C_6-C_{14} aryl; allyl; and furanalkyl optionally substituted with methyl or halogen;

wherein Z is a divalent radical of an alkane, an alkene, or an alkyne~~, any of which optionally contains a heteroatom or carbonyl and any of which is substituted or unsubstituted~~;

wherein p is an integer that is greater than or equal to 2;

wherein each of R^3, R^4, and R^8 is independently a hydrogen; a C_1-C_{24} alkyl, C_2-C_{24} alkenyl, or C_2 -C_{24} alkynyl, optionally substituted with a group selected from the group consisting of an aryl, a heterocycle, and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl;

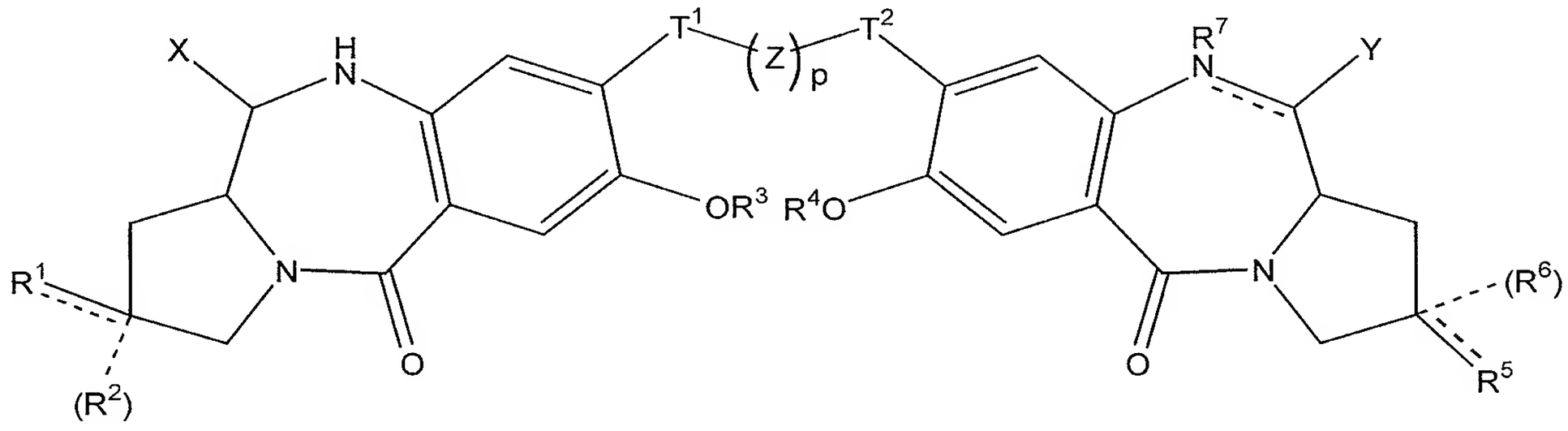
wherein the bond between R^1 and the carbon to which R^1 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^2 is absent and R^1 is a divalent radical derived from an alkane, an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^1 and R^2 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle; and

wherein the bond between R^5 and the carbon to which R^5 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^6 is absent and R^5 is a divalent radical derived from an alkane, an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^5 and R^6 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle;

or a salt thereof;

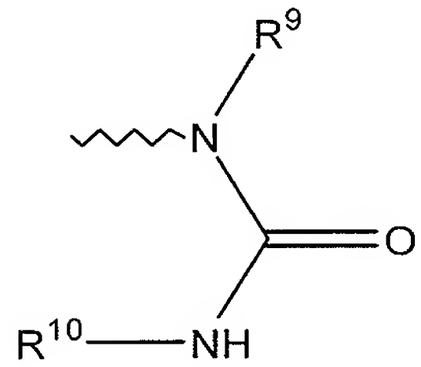
provided that, when each of R^1 and R^5 is CH_2 attached by a double-bond, R^2 and R^6 are absent, R^3 and R^4 are CH_3, R^7 is H, T^1 and T^2 are both O, Z is CH_2, and p is 3, then X and Y are not both methoxy, both ethoxy, or both hydroxyl; and when each of R^1, R^2, R^5, and R^6 are H, then X and Y are not both sulfide or both ether.

3. (Currently Amended) A compound of Formula I:



(Formula I)

wherein X is a substituent selected from the group consisting of ~~an OH, an ether, a silyl ether, a trialkyl silyl ether, an ester, a carbonate, a carbamate, a thiocarbamate, a cyclic carbamate, a cyclic thiocarbamate, an acetate, SH, a sulfide, a sulphoxide, a sulphone, a sulphite, a bisulphite, a sulphonamide, an amine, an amide, an azido, a cyano, a halo, a triphenylphosphonium, a silyl, a trialkyl silyl, an amino acid-derived group, and a phosphorus-containing group~~ —$OSiH_3$, —OSiRR'R", —OCOR, —OCOOR, —OCONHR, —OCSNHR, —SH, —SR, —SOR, —SOOR, —OSO_2R, —OSO_2H, —NHSOOR, —NH_2, —NHR, —NRR', —N_3, —CN, halogen, —P^+Ph_3 X^-, —SiH_3, —SiRR'R", cysteine, and glutathione,



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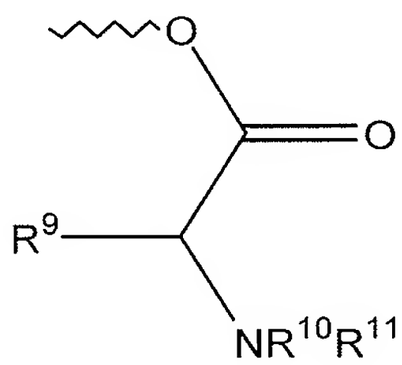

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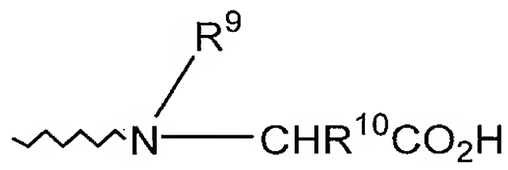

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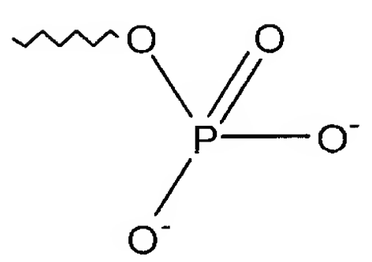
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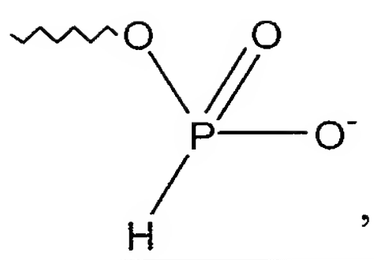
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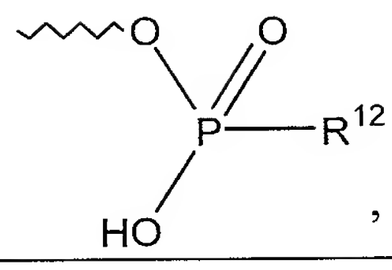
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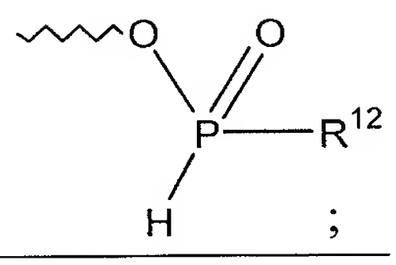
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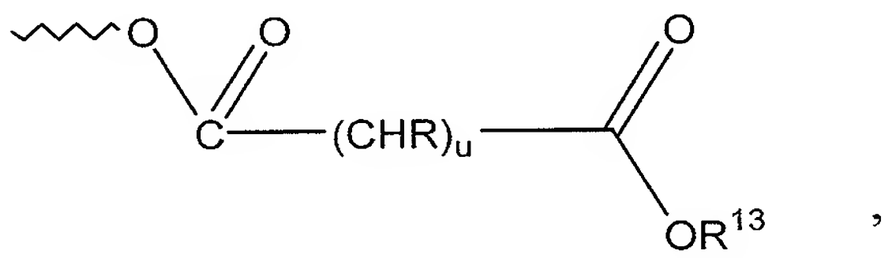
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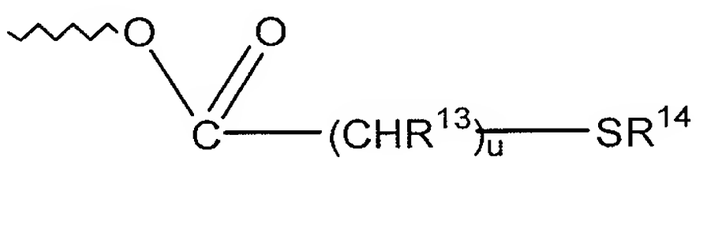
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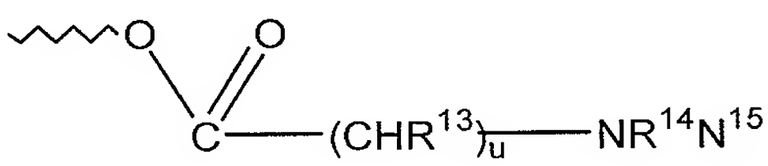
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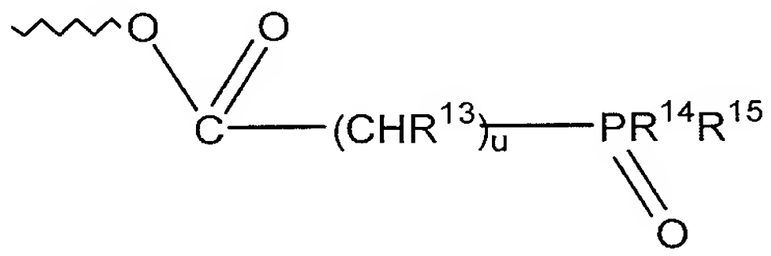
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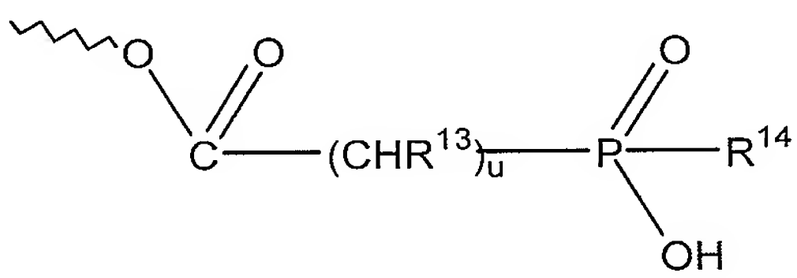

;

wherein each of R^9, R^{10}, and R^{11} is independently selected from the group consisting of H, a C_1-C_8 alkyl optionally substituted with an amine or a carboxylate; an aryl; an aryl alkyl; and a heterocycle;

wherein R^{12} is C_1-C_8 optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle,

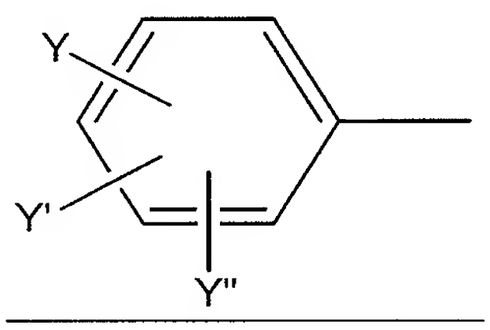
wherein each of R^{13}, R^{14}, and R^{15} is independently selected from the group consisting of H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; and a heterocycle, and wherein u is an integer from 1 to about 16,

wherein each of R^{16} and R^{17} is independently H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle; a monohydroxylic or a polyhydroxylic group;

wherein the bond between the carbon to which Y is attached and the N of NR^7 to which the carbon is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^7 is absent and Y is H, and, when the bond is a single bond, R^7 is H and Y is a substituent selected from the group defined for X, wherein Y is optionally the same as X;

wherein each of T^1 and T^2 is independently O, S, or NR^8;

wherein R, R', and R" are independently selected from the group consisting of C_1-C_{24} alkyl optionally substituted with an amino, hydroxyl, or thiol group, C_3-C_{24} cycloalkyl, C_2-C_{24} alkenyl, C_3-C_{26} alkoxyacetyl, and a group of the structure:



wherein Y and Y' are independently hydrogen, C_1-C_{24} alkyl, arylalkyl, C_2-C_{24} alkenyl, C_2-C_{24} alkynyl, C_1-C_{24} alkoxy, halogen, or Y and Y' taken together form 3,4-methylenedioxy, and Y" is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen; naphthalenalkyl optionally substituted by methyl or halogen; phenyl(C_2-C_{24} alkenyl); cinnamyl; pyridinealkyl optionally substituted with methyl or halogen; dihydropyridinealkyl optionally substituted with C_1-C_{24} alkyl; thiophenealkyl optionally substituted with methyl or halogen; C_6-C_{14} aryl; allyl; and furanalkyl optionally substituted with methyl or halogen;

wherein Z is a divalent radical of an alkane, an alkene, or an alkyne~~, any of which optionally contains a heteroatom or carbonyl and any of which is substituted or unsubstituted~~;

wherein p is an integer that is greater than or equal to 2;

wherein each of R^3, R^4, and R^8 is independently a hydrogen; a C_1-C_{24} alkyl, C_2-C_{24} alkenyl, or C_2 -C_{24} alkynyl, optionally substituted with a group selected from the group consisting of an aryl, a heterocycle, and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl;

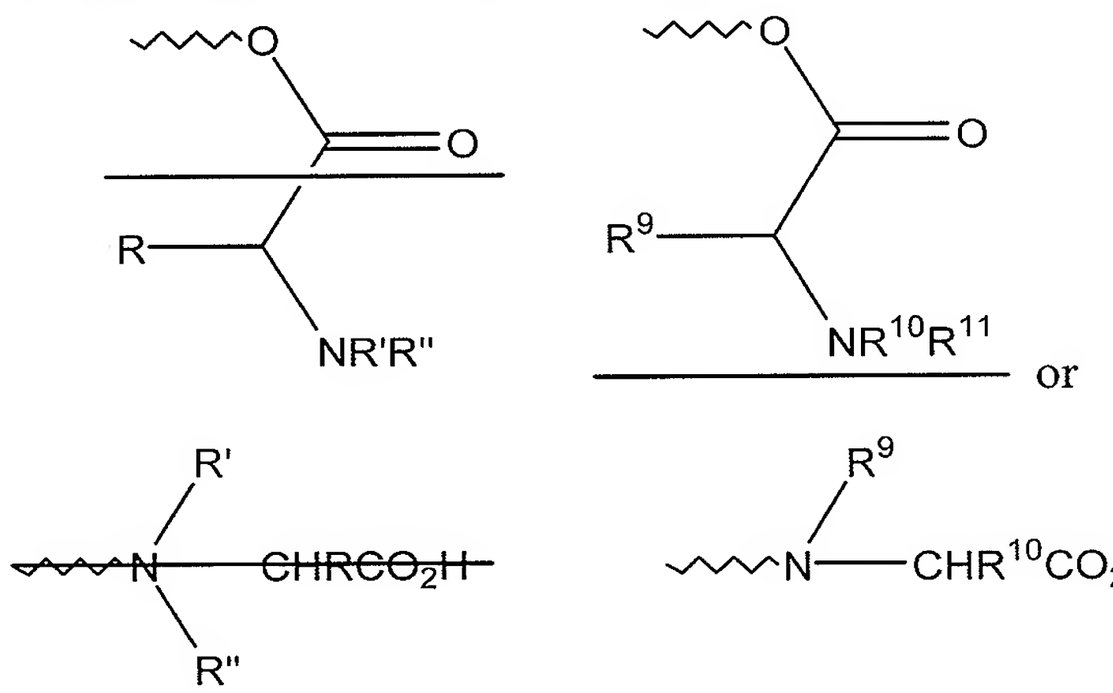
wherein the bond between R^1 and the carbon to which R^1 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^2 is absent and R^1 is a divalent radical derived from an alkane, an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^1 and R^2 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle; and

wherein the bond between R^5 and the carbon to which R^5 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^6 is absent and R^5 is a divalent radical derived from an alkane, or an aromatic hydrocarbon, ~~or a heterocycle,~~ and when the bond is a single bond, R^5 and R^6 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle;

or a salt thereof.

4. (Currently Amended) The compound or a salt thereof of claim 1, wherein X is selected from the group consisting of:

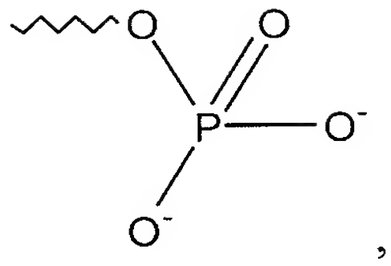
(a) ~~an amino acid-derived group having the structure:~~



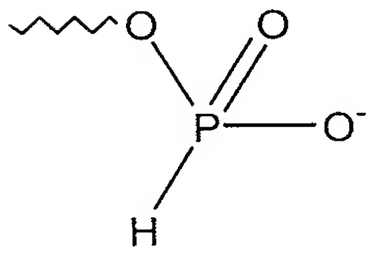
wherein each of ~~R, R', and R"~~ R^9, R^{10}, and R^{11} is independently selected from the group consisting of H, a C_1-C_8 alkyl optionally substituted with an amine or a carboxylate; an aryl; an aryl alkyl; and a heterocycle,

(b) ~~a phosphoric group, a phosphorus group, a phosphonic acid group, or a phosphonous acid group having the structure:~~ a group of the formula:

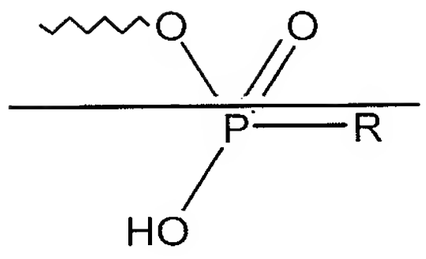
(i)

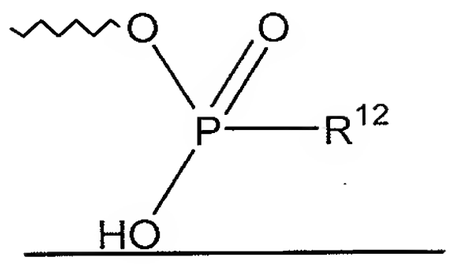


(ii)



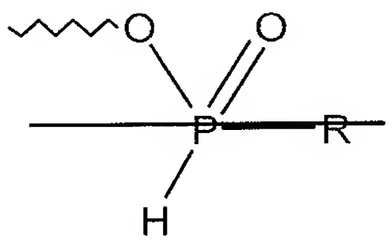
(iii)

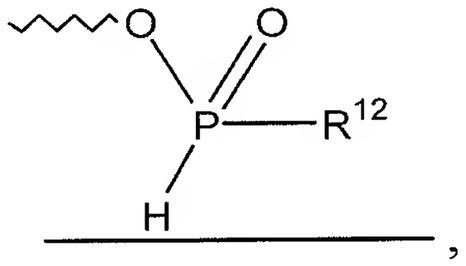




wherein ~~R~~ $\underline{R^{12}}$ is C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle, or

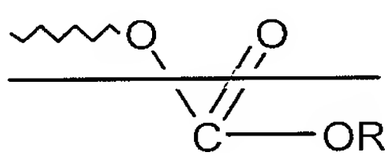
(iv)

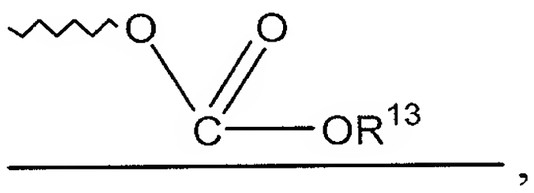




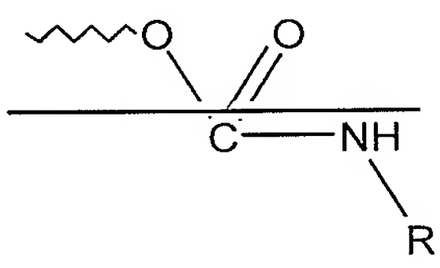
wherein ~~R~~ $\underline{R^{12}}$ is C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle,

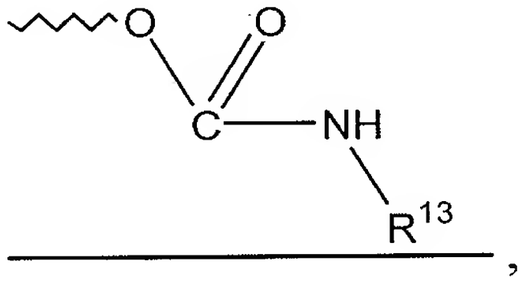
(c)



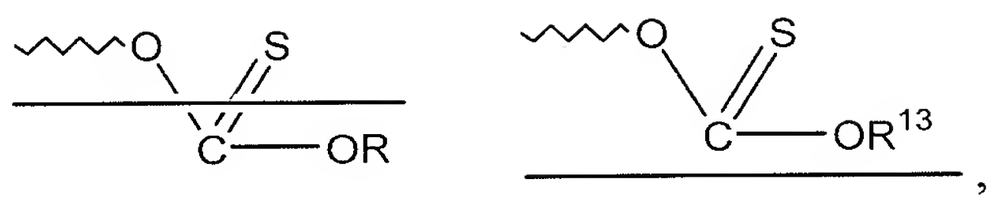


(d)

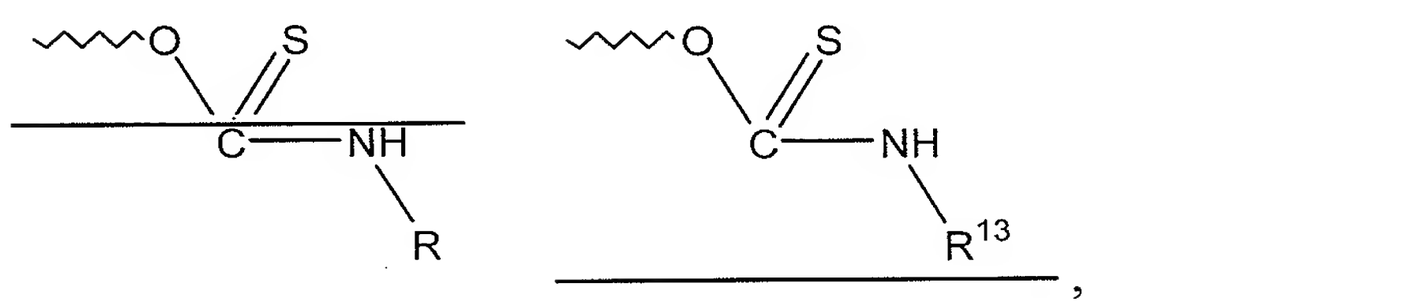




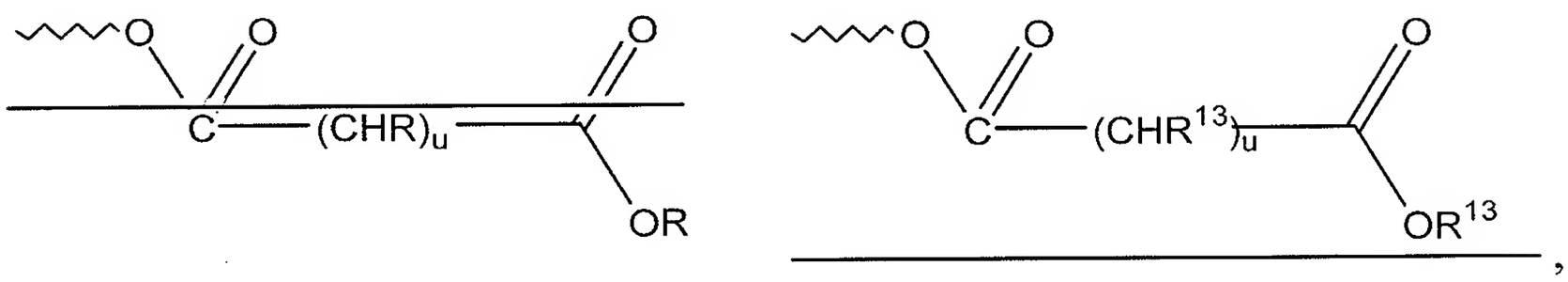
(e)



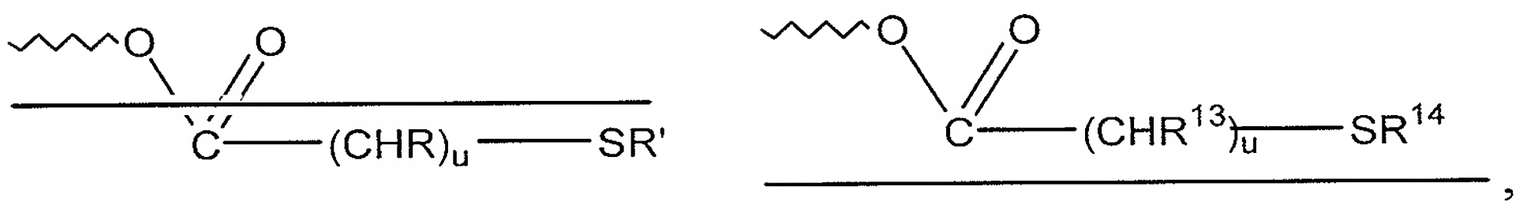
(f)



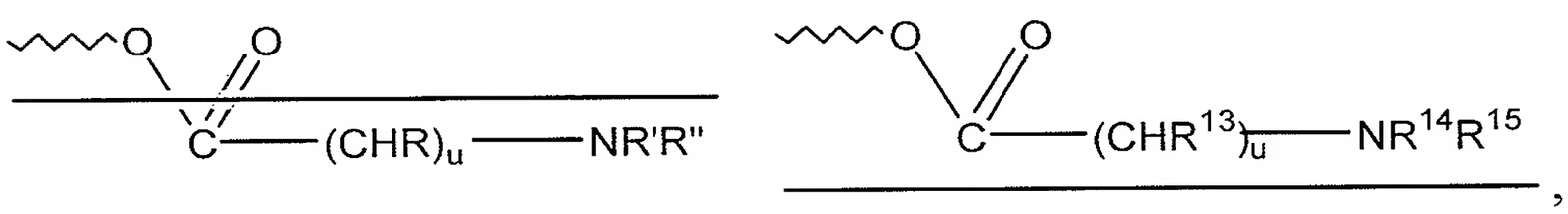
(g)



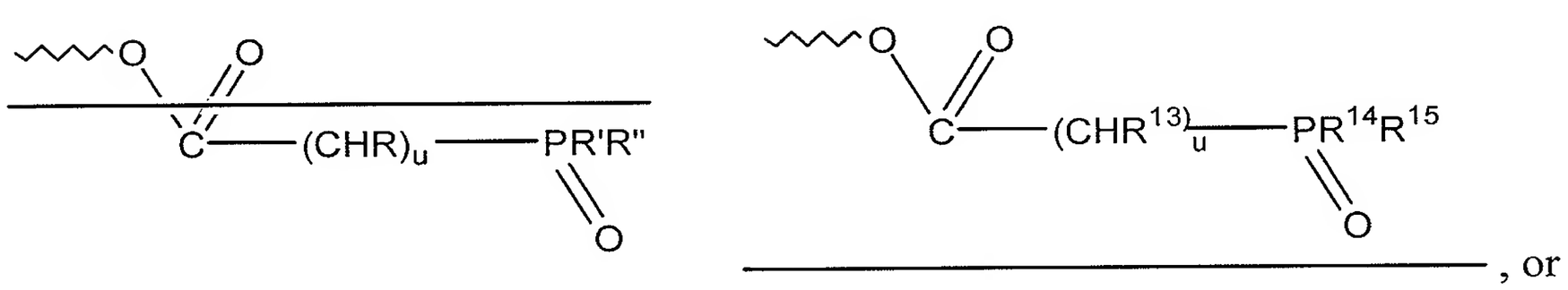
(h)



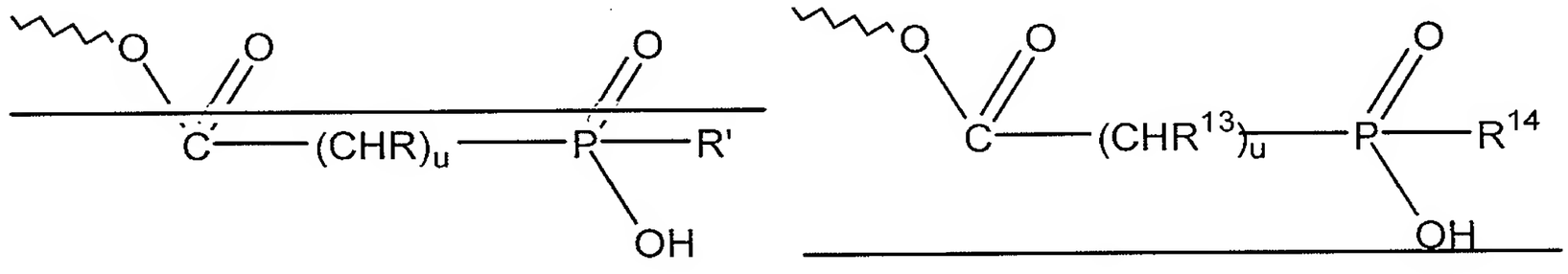
(i)



(j)

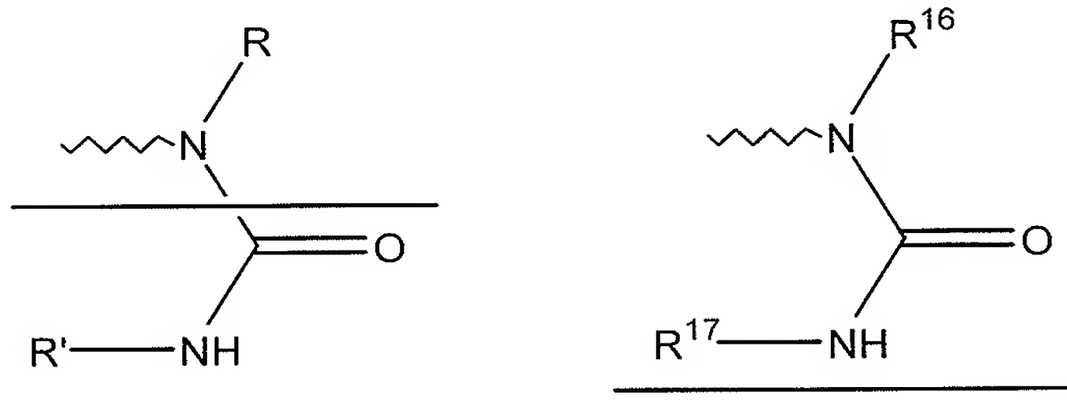


(k)



wherein, ~~for each of structures (c) through (k),~~ each of ~~R, R', and R"~~ R^{13}, R^{14}, and R^{15} is independently selected from the group consisting of H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; and a heterocycle, and wherein u is 1 to about 16;

(l) ~~an amide having the structure:~~



wherein each of ~~R and R'~~ R^{16} and R^{17} is independently H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle, and

(m) a monohydroxylic or a polyhydroxylic group.

5. - 15. (Canceled).

16. (Currently Amended) The compound or a salt thereof of claim 1, wherein each of T^1 and T^2 is O, p is 3 and Z is $-CH_2-$.

17. (Currently Amended) The compound or a salt thereof of claim 1, wherein R^1 and R^2 are not both H.

18. (Currently Amended) The compound or a salt thereof of claim 1, wherein each of R^3 and R^4 is a C_1-C_8 alkyl optionally substituted with a group selected from the group consisting of an aryl, ~~a heterocycle,~~ H, and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl.

19.-20. (Canceled).

21. (Currently Amended) The compound or a salt thereof of claim 1, wherein R^8 is H.

22.-23. (Canceled).

24. (Currently Amended) The compound or a salt thereof of claim 1, wherein (a) each of X and Y is OH, (b) X is OH and Y is H, or (c) X is OR and R is an alkyl.

25.-26. (Canceled).

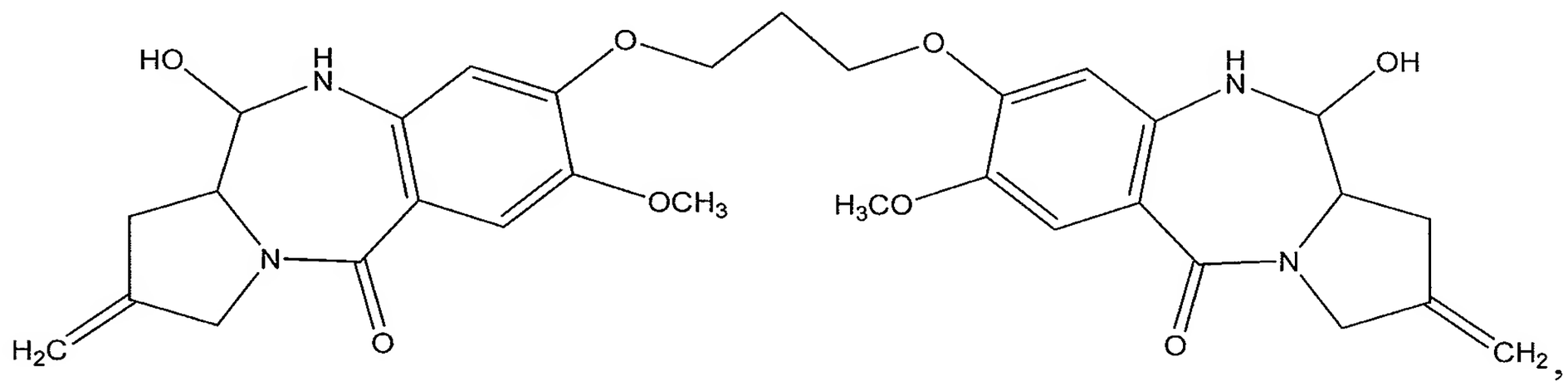
27. (Currently Amended) The compound or a salt thereof of claim 24, wherein X is OR and R is a C_1-C_8 alkyl.

28.-29. (Canceled).

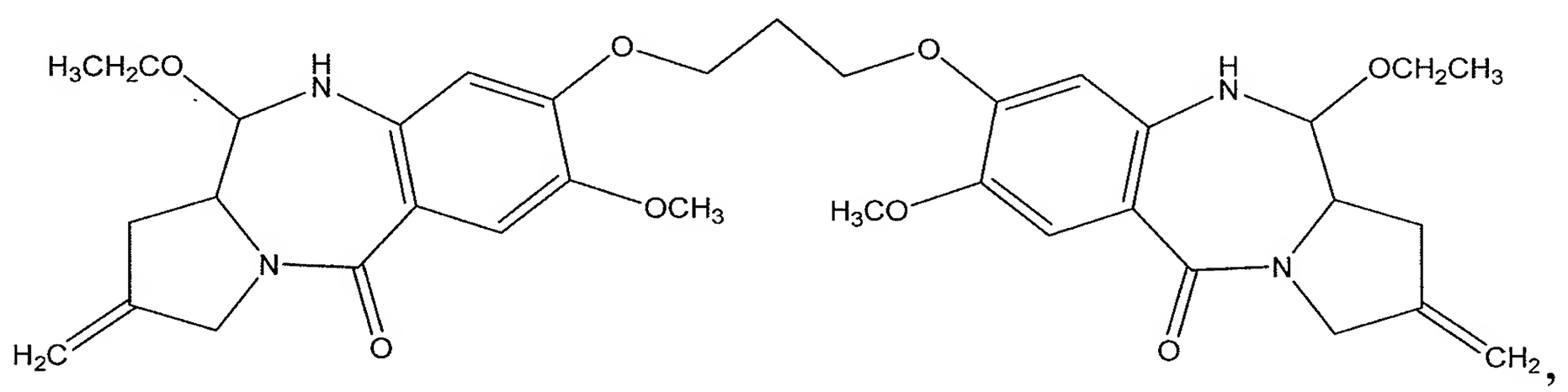
30. (Currently Amended) The compound or a salt thereof of claim 1, wherein Y is the same as X.

31. (Currently Amended) The compound or a salt thereof of claim 1, wherein the compound is selected from the group consisting of:

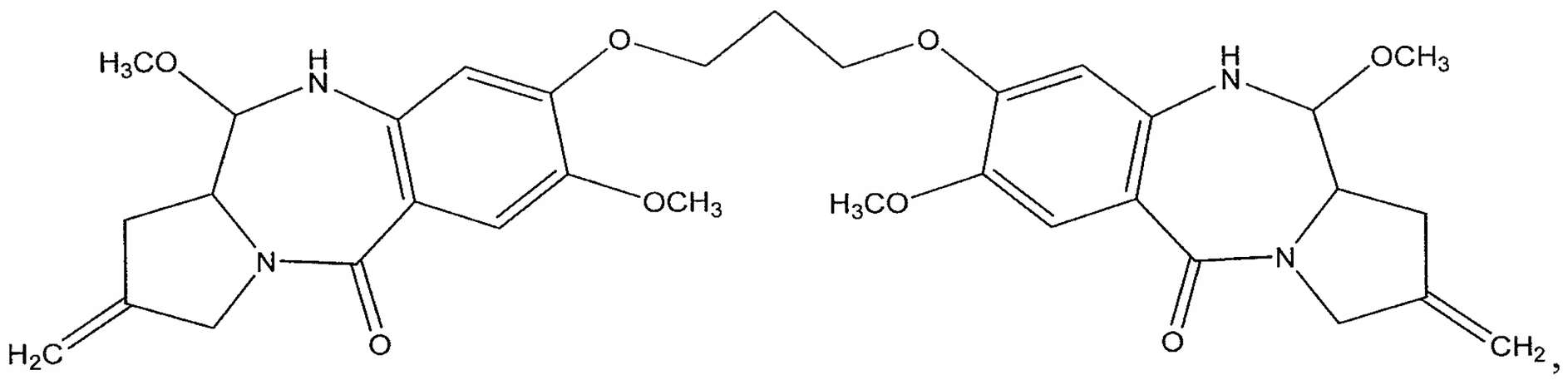
(a)



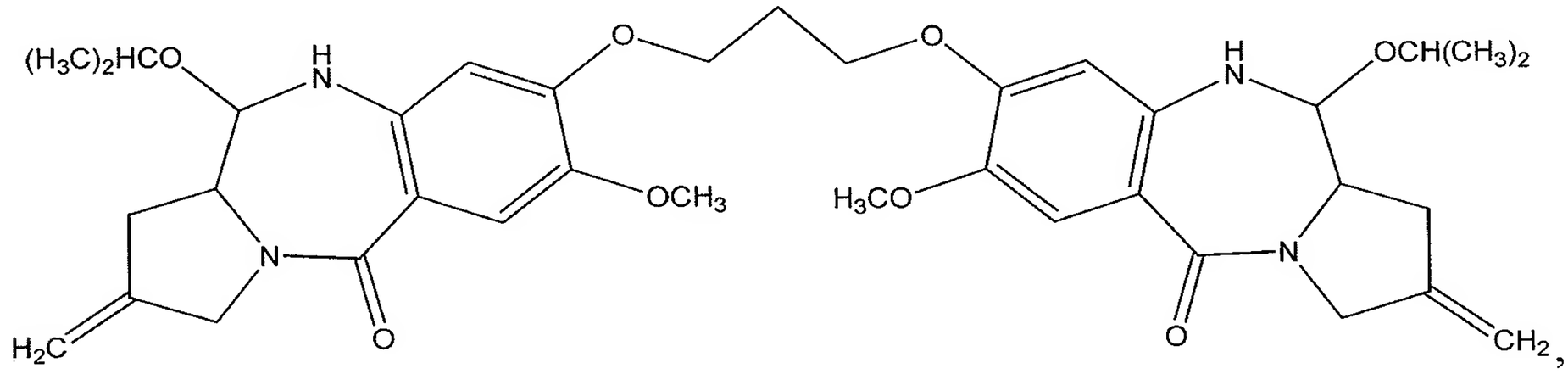
(b)



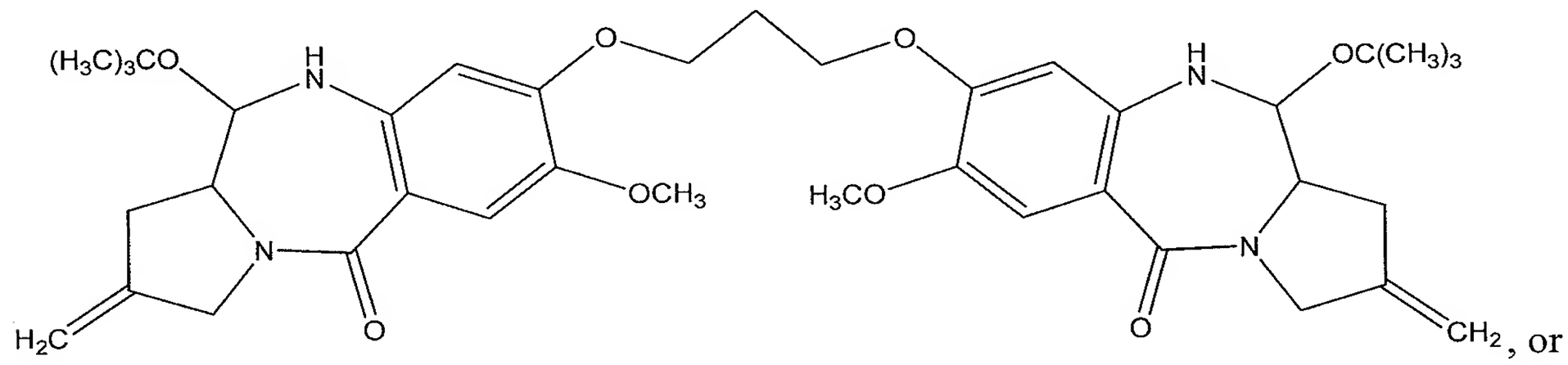
(c)



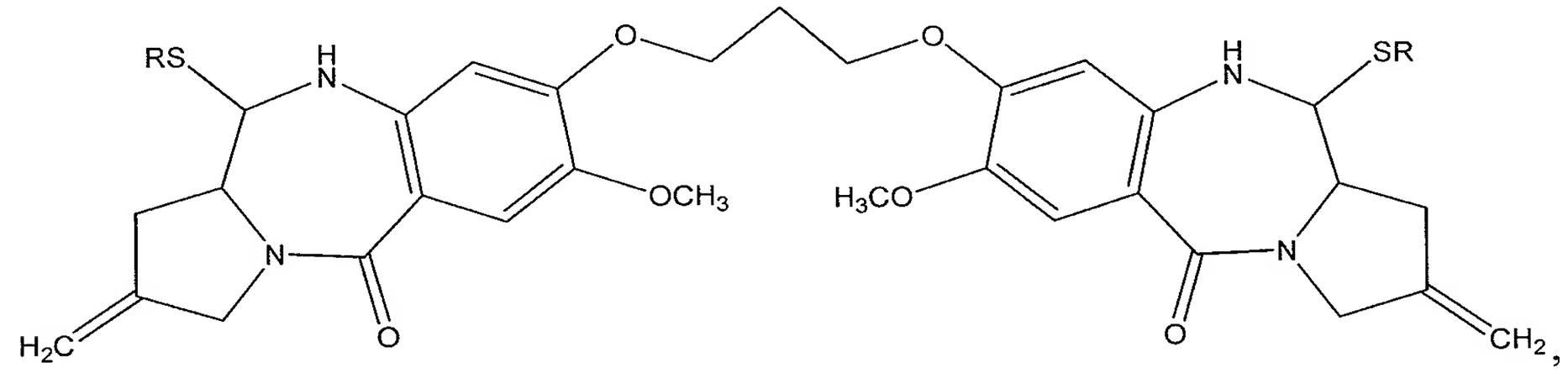
(d)



(e)

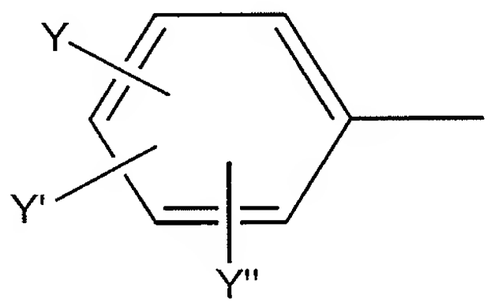


(f)



wherein, for structure (f), the following applies: R is an alkyl; a C_2-C_{24} alkenyl; a cyclohexylalkyl; a C_3-C_{26} alkoxyacetyl; a naphthalenalkyl optionally substituted with methyl or halogen; a phenyl (C_3-C_{26} alkenyl), wherein the phenyl is optionally substituted with methyl or halogen; a cinnamyl; a pyridinealkyl optionally substituted with methyl or halogen;

a dihydropyridine alkyl optionally substituted with C_1-C_{24} alkyl; a thiophenealkyl optionally substituted with methyl or halogen; an aryl; an allyl; a furanalkyl optionally substituted with methyl or halogen; cysteine; glutathione; or a group of structure

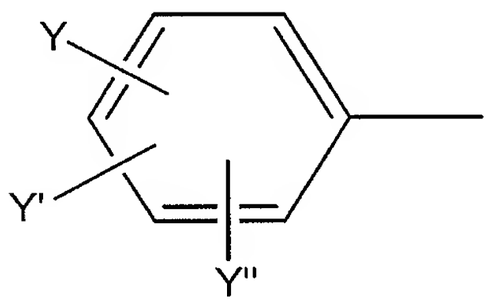


,

wherein each of Y and Y' is independently hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen, or Y and Y' together form 3,4-methylenedioxy, and Y'' is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy or halogen.

32. – 36. (Canceled).

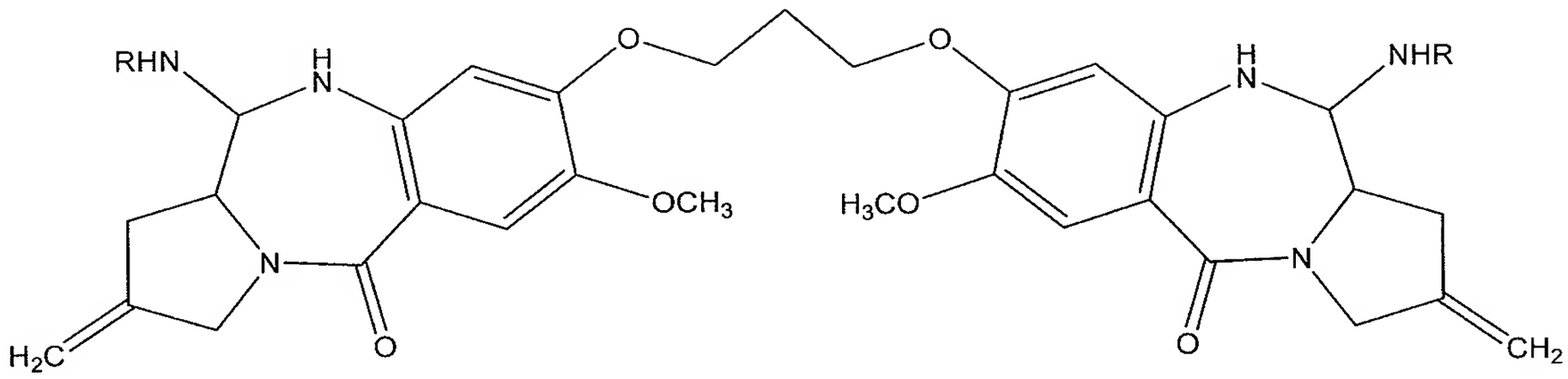
37. (Currently Amended) The compound or a salt thereof of claim 31, wherein the compound is of structure (f) and R is



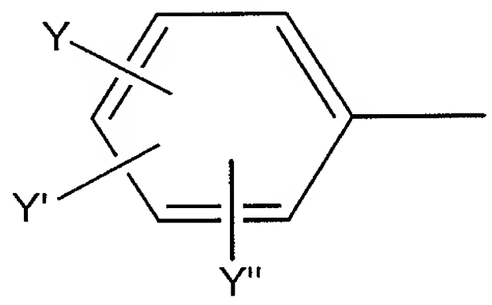
and wherein each of Y and Y' is independently hydrogen, C_1-C_8 alkyl, C_1-C_8 alkoxy, or halogen, or Y and Y' together form 3,4-methylenedioxy, and Y'' is hydrogen, C_1-C_8 alkyl, C_1-C_8 alkoxy or halogen.

38.-39. (Canceled).

40. (Currently Amended) The compound or a salt thereof of claim 1, wherein the compound is



wherein R is ~~an~~ C_1-C_{24} alkyl optionally substituted with an amino, hydroxyl, or thiol group; a C_3-C_{24} cycloalkyl; a C_2-C_{24} alkenyl; ~~a cyclohexylalkyl;~~ a C_3-C_{26} alkoxyacetyl; a naphthalenalkyl optionally substituted with methyl or halogen; phenyl (C_2-C_{24} alkenyl), wherein the phenyl is optionally substituted with methyl or halogen; cinnamyl; pyridinealkyl optionally substituted with methyl or halogen; dihydropyridine alkyl optionally substituted with C_1-C_{24} alkyl; thiophenealkyl optionally substituted with methyl or halogen; an aryl; an allyl; furanalkyl optionally substituted with methyl or halogen; or a group of structure



,

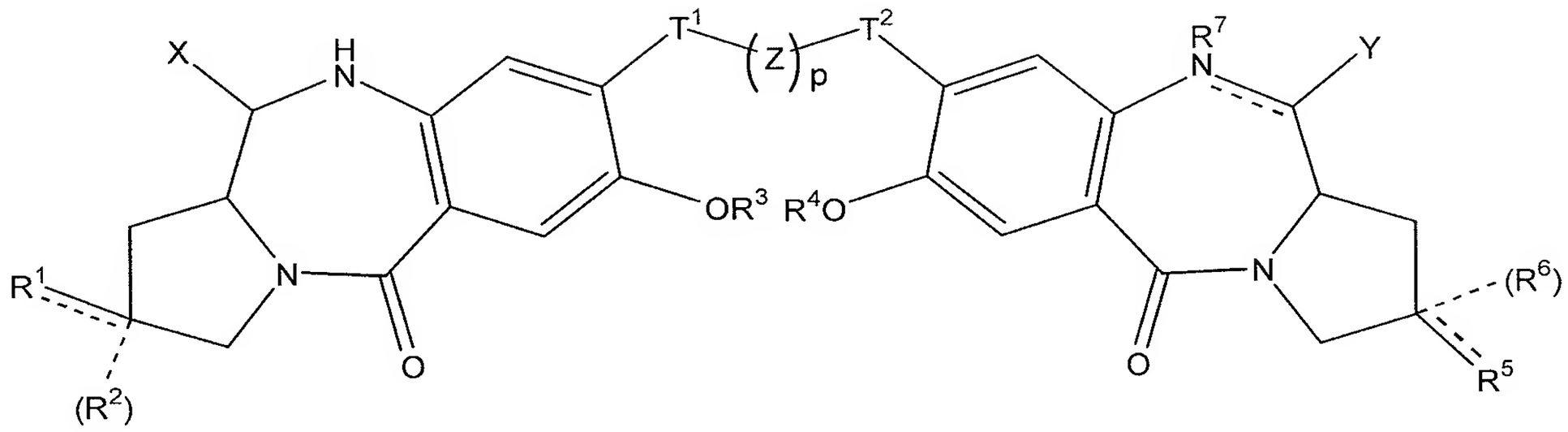
wherein each of Y and Y' is independently hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen, or Y and Y' together form 3,4-methylenedioxy, and Y" is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy or halogen.

41. – 47. (Canceled).

48. (Currently Amended) A pharmaceutical composition comprising a compound or a salt thereof of claim 1 and a pharmaceutically acceptable carrier.

49. – 61. (Canceled).

62. (Currently Amended) A method of preparing the compound or a salt thereof of claim 1, wherein the compound is of Formula I



(Formula I)

wherein X is OH,

wherein the bond between the carbon to which Y is attached and the N of NR^7 to which the carbon is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^7 is absent and Y is H, and, when the bond is a single bond, R^7 is H and Y is OH;

wherein each of T^1 and T^2 is independently O, S, or NR^8;

wherein Z is a divalent radical of an alkane, an alkene, or an alkyne~~, any of which optionally contains a heteroatom or carbonyl and any of which is substituted or unsubstituted~~;

wherein p is an integer that is greater than or equal to 2;

wherein each of R^3, R^4, and R^8 is independently a hydrogen; a C_1-C_{24} alkyl, C_2-C_{24} alkenyl, or C_2 -C_{24} alkynyl, optionally substituted with a group selected from the group consisting of an aryl, a heterocycle, and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl;

wherein the bond between R^1 and the carbon to which R^1 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^2 is absent and R^1 is a divalent radical derived from an alkane, or an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^1 and R^2 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle; and

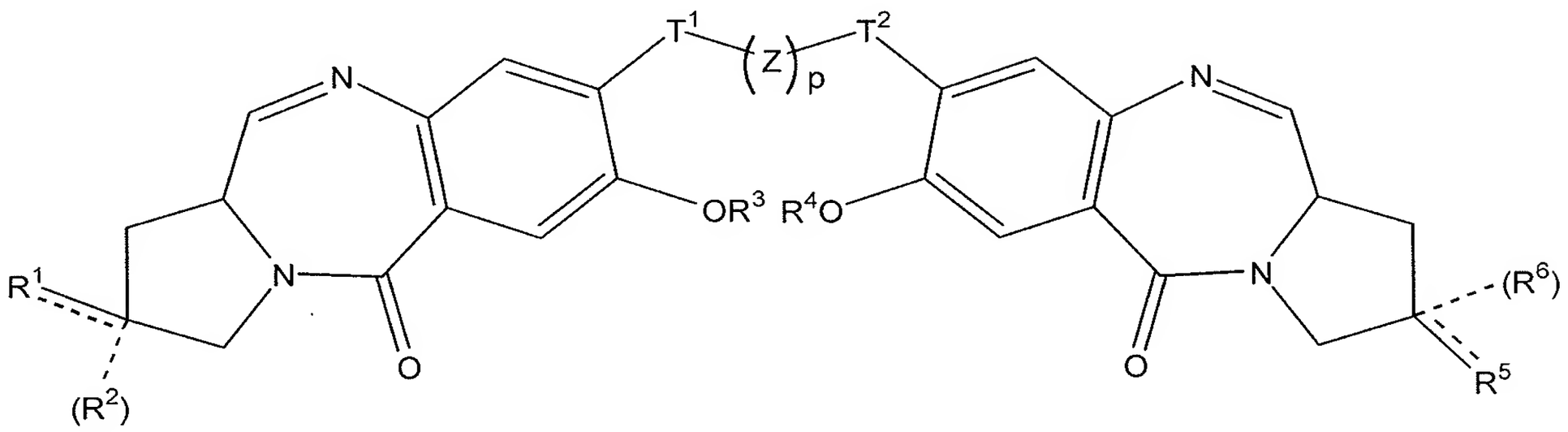
wherein the bond between R^5 and the carbon to which R^5 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^6 is absent and R^5 is a divalent radical derived from an alkane, an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^5 and R^6 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle;

or a salt thereof; and

wherein the compound is a solid;

which method comprises:

(a) providing a compound of Formula II:



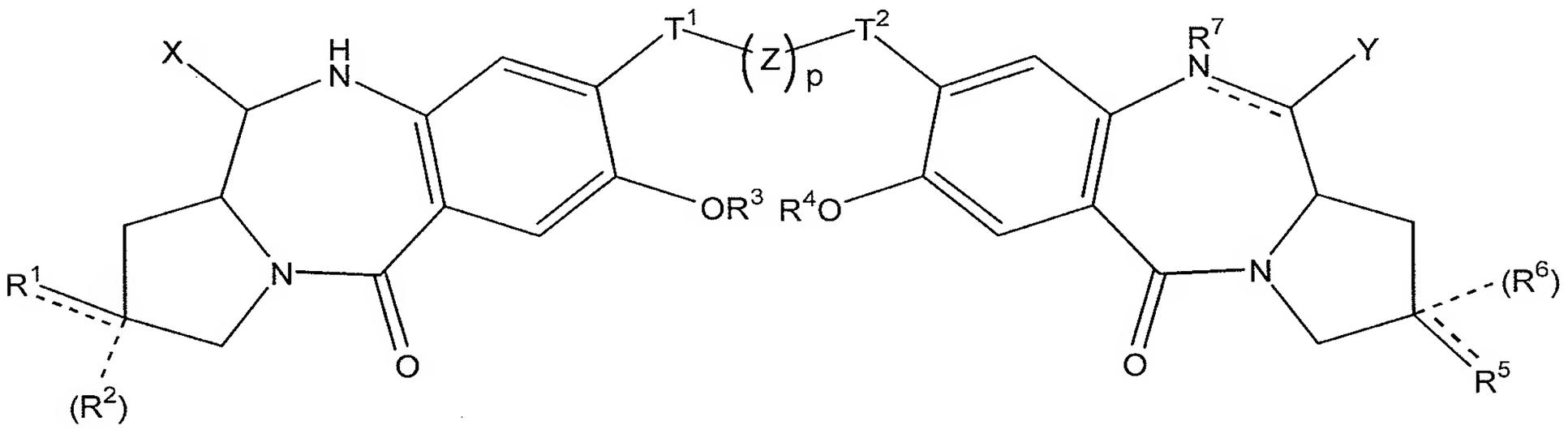
(Formula II)

wherein the definitions of R^1, R^2, R^3, R^4, R^5, R^6, T^1, T^2, Z, and p are the same as those for Formula I; and

(b) contacting the compound of Formula II with water, whereby the solid compound of Formula I is formed.

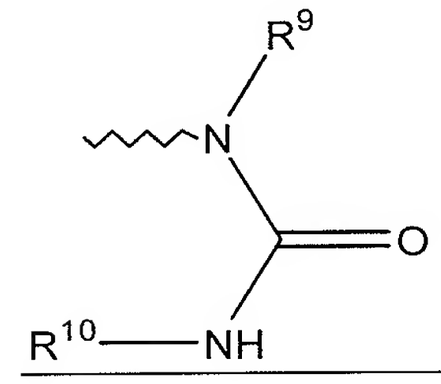
63. – 67. (Canceled).

68. (Currently Amended) A method of preparing the compound or a salt thereof of claim 1, wherein the compound is of Formula I



(Formula I)

wherein X is a substituent selected from the group consisting of an OH, ~~an ether, a silyl ether, a trialkyl silyl ether, an ester, a carbonate, a carbamate, a thiocarbamate, a cyclic carbamate, a cyclic thiocarbamate, an acetate, SH, a sulfide, a sulphoxide, a sulphone, a sulphite, a bisulphite, a sulphonamide, an amine, an amide, an azido, a cyano, a halo, a triphenylphosphonium, a silyl, a trialkyl silyl, an amino acid-derived group, and a phosphorus-containing group~~ —OR, —$OSiH_3$, —OSiRR'R", —OCOR, —OCOOR, —OCONHR, —OCSNHR, —SH, —SR, —SOR, —SOOR, —OSO_2R, —OSO_2H,— NHSOOR, —NH_2, —NHR, —NRR', —N_3, —CN, halogen, —P^+Ph_3 X^-, —SiH_3, —SiRR'R", —OCSOR, —$OCO(CHR)_uCOOR$, —$OCO(CHR)_uSR'$, $OCO(CHR)_uNR'R"$, —$OCO(CHR)_uP(=O)R'R"$, —$OCO(CHR)_uP(=O)(OH)(R')$, cysteine, and glutathione,



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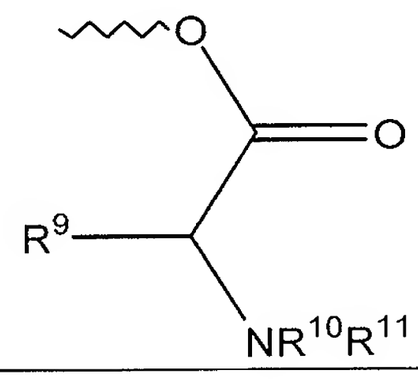

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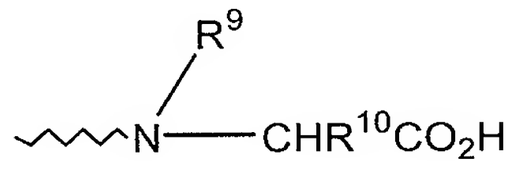

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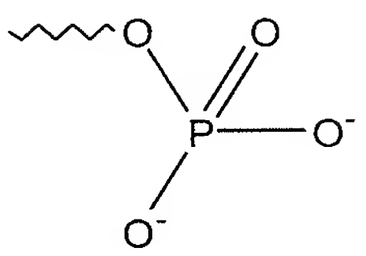
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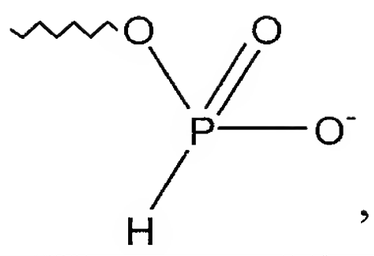
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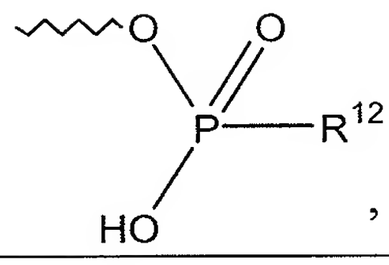
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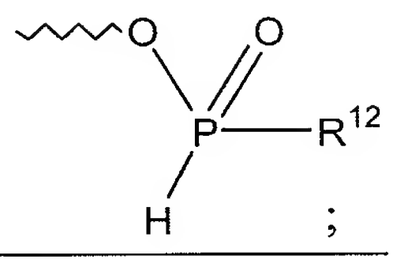
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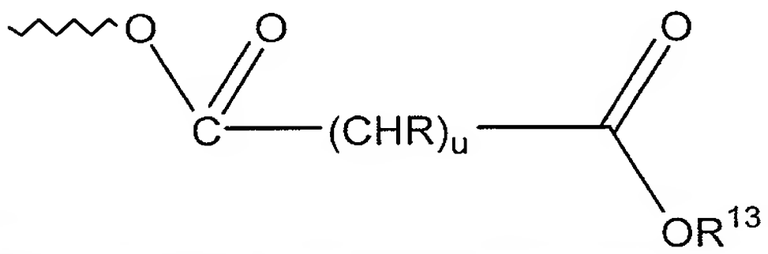
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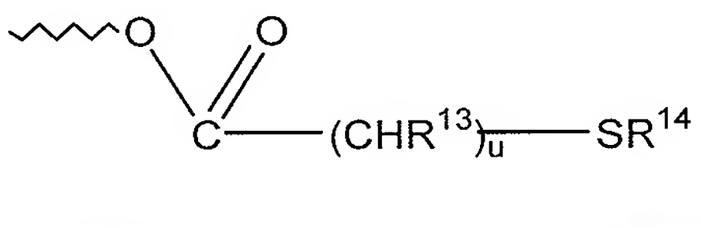
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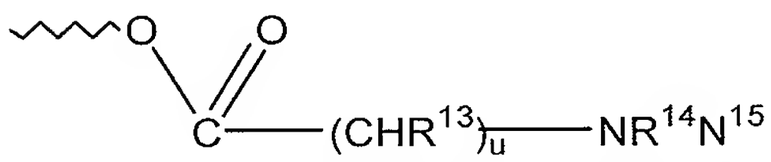
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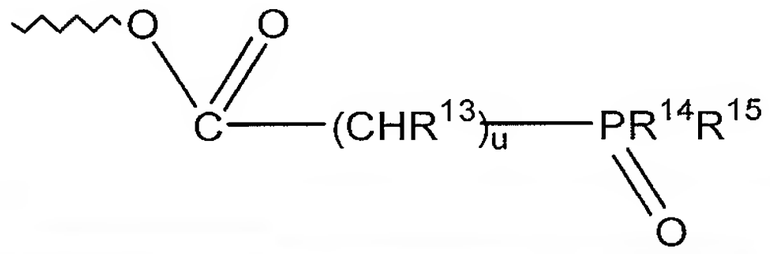
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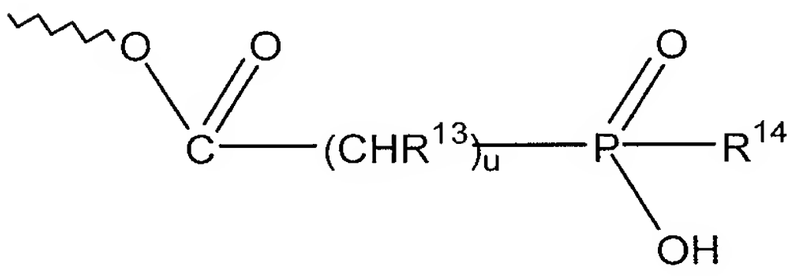

;

wherein each of R^9, R^{10}, and R^{11} is independently selected from the group consisting of H, a C_1-C_8 alkyl optionally substituted with an amine or a carboxylate; an aryl; an aryl alkyl; and a heterocycle;

wherein R^{12} is C_1-C_8 optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle,

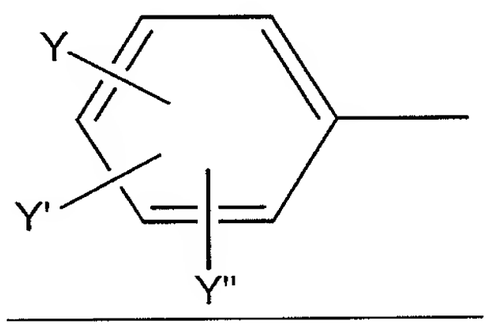
wherein each of R^{13}, R^{14}, and R^{15} is independently selected from the group consisting of H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; and a heterocycle, and wherein u is an integer from 1 to about 16,

wherein each of R^{16} and R^{17} is independently H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle; a monohydroxylic or a polyhydroxylic group;

wherein the bond between the carbon to which Y is attached and the N of NR^7 to which the carbon is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^7 is absent and Y is H, and, when the bond is a single bond, R^7 is H and Y is a substituent selected from the group defined for X, wherein Y is optionally the same as X;

wherein each of T^1 and T^2 is independently O, S, or NR^8;

wherein R, R', and R" are independently selected from the group consisting of C_1-C_{24} alkyl optionally substituted with an amino, hydroxyl, or thiol group, C_3-C_{24} cycloalkyl, C_2-C_{24} alkenyl, C_3-C_{26} alkoxyacetyl, and a group of the structure:



wherein Y and Y' are independently hydrogen, C_1-C_{24} alkyl, arylalkyl, C_2-C_{24} alkenyl, C_2-C_{24} alkynyl, C_1-C_{24} alkoxy, halogen, or Y and Y' taken together form 3,4-methylenedioxy, and Y" is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen; naphthalenalkyl optionally substituted by methyl or halogen; phenyl(C_2-C_{24} alkenyl); cinnamyl; pyridinealkyl optionally substituted with methyl or halogen; dihydropyridinealkyl optionally substituted with C_1-C_{24} alkyl; thiophenealkyl optionally substituted with methyl or halogen; C_6-C_{14} aryl; allyl; and furanalkyl optionally substituted with methyl or halogen;

wherein Z is a divalent radical of an alkane, an alkene, or an alkyne~~, any of which optionally contains a heteroatom or carbonyl and any of which is substituted or unsubstituted~~;

~~S~~wherein p is an integer that is greater than or equal to 2;

wherein each of R^3, R^4, and R^8 is independently a hydrogen; a C_1-C_{24} alkyl, C_2-C_{24} alkenyl, or C_2 -C_{24} alkynyl, optionally substituted with a group selected from the group consisting of an aryl, a heterocycle, and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl;

wherein the bond between R^1 and the carbon to which R^1 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^2 is absent and R^1 is a divalent radical derived from an alkane, or an aromatic hydrocarbon, ~~or a heterocycle,~~ and when the bond is a single bond, R^1 and R^2 are independently selected from the group consisting of H, C_1-C_8 alkyl, ~~and~~ aryl, ~~and a heterocycle;~~ and

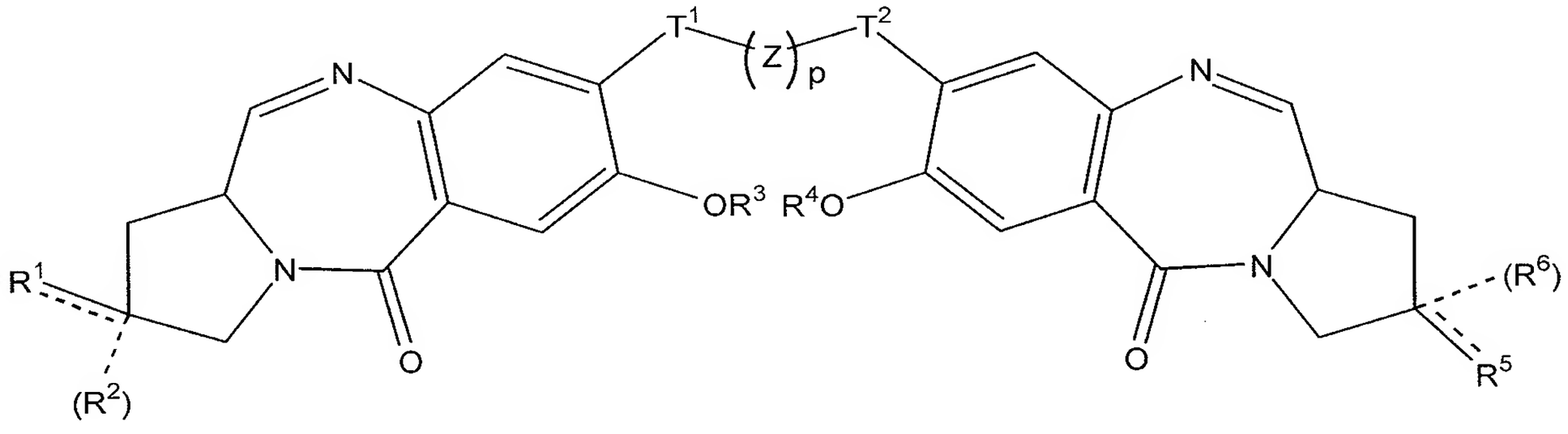
wherein the bond between R^5 and the carbon to which R^5 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^6 is absent and R^5 is a divalent radical derived from an alkane, or an aromatic hydrocarbon, ~~or a heterocycle,~~ and when the bond is a single bond, R^5 and R^6 are independently selected from the group consisting of H, C_1-C_8 alkyl, and aryl~~, and a heterocycle~~;

or a salt thereof; and

wherein the compound is a solid;

which method comprises:

(a) providing a compound of Formula II:



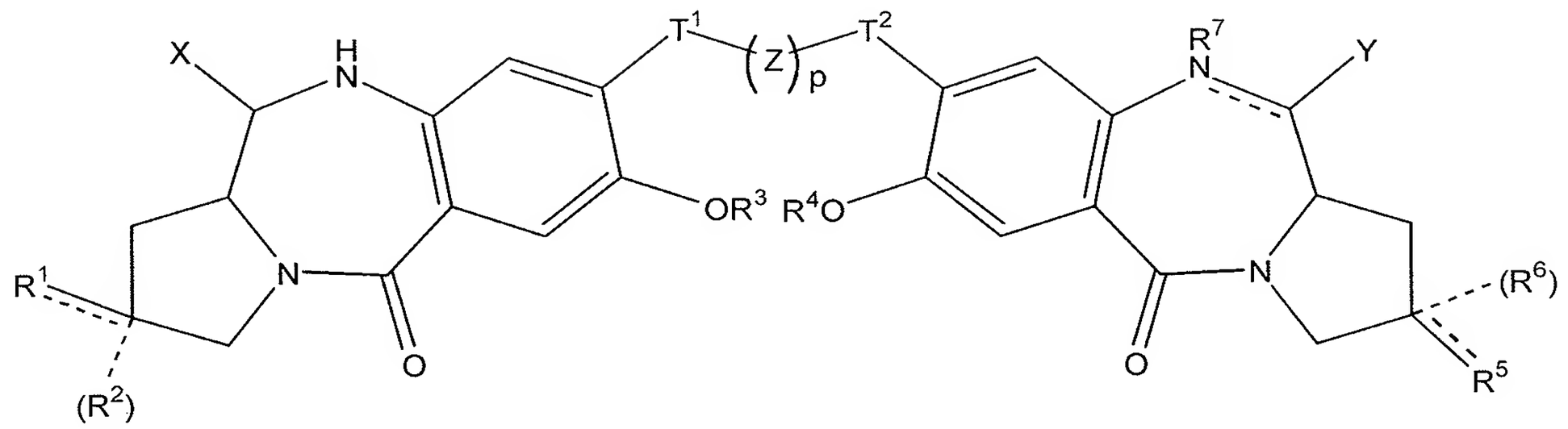
(Formula II)

wherein the definitions of R^1, R^2, R^3, R^4, R^5, R^6, T^1, T^2, Z, and p are the same as those for Formula I; and

(b) combining the compound of Formula II with a nucleophilic organic reactant, wherein the nucleophilic part of the nucleophilic organic reactant provides X,

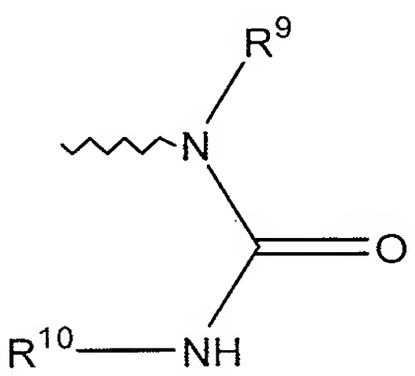
whereby the solid compound of Formula I is formed.

69. (Currently Amended) A method of preparing the compound or a salt thereof of claim 2, wherein the compound is of Formula I



(Formula I)

wherein X is a substituent selected from the group consisting of an OH, ~~an ether, a silyl ether, a trialkyl silyl ether, an ester, a carbonate, a carbamate, a thiocarbamate, a cyclic carbamate, a cyclic thiocarbamate, an acetate, SH, a sulfide, a sulphoxide, a sulphone, a sulphite, a bisulphite, a sulphonamide, an amine, an amide, an azido, a cyano, a halo, a triphenylphosphonium, a silyl, a trialkyl silyl, an amino acid-derived group, and a phosphorus-containing group~~ —OR, —$OSiH_3$, —OSiRR'R", —OCOR, —OCOOR, —OCONHR, —OCSNHR, —SH, —SR, —SOR, —SOOR, —OSO_2R, —OSO_2H,— NHSOOR, —NH_2, —NHR, —NRR', —N_3, —CN, halogen, —P^+Ph_3 X^-, —SiH_3, —SiRR'R", —OCSOR, —$OCO(CHR)_uCOOR$, —$OCO(CHR)_uSR'$, $OCO(CHR)_uNR'R"$, —$OCO(CHR)_uP(=)R'R"$, —$OCO(CHR)_uP(=O)(OH)(R')$, cysteine, and glutathione,



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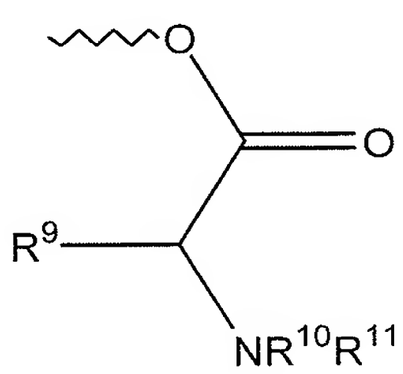

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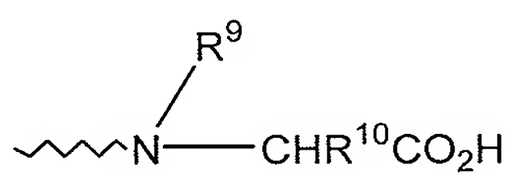

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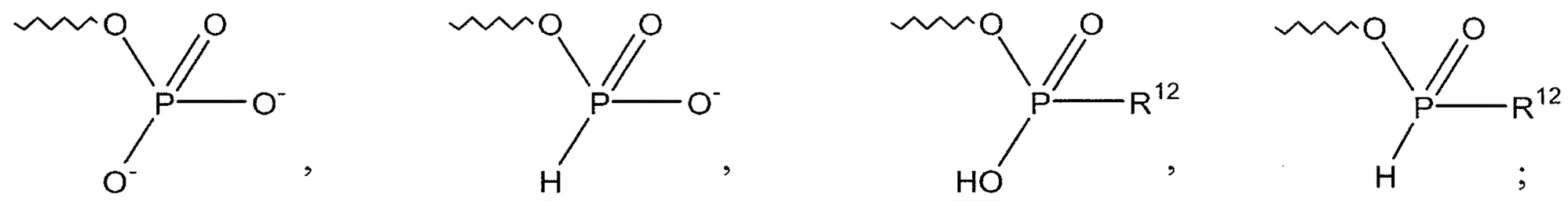

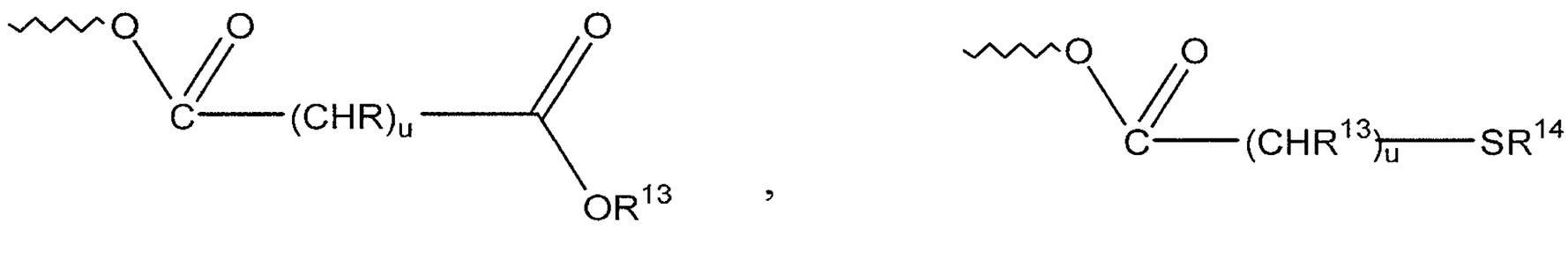

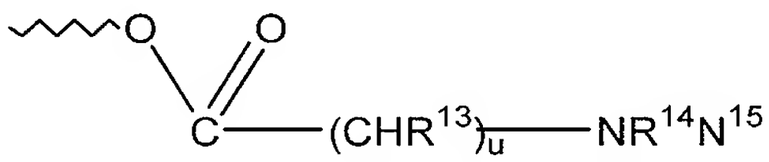

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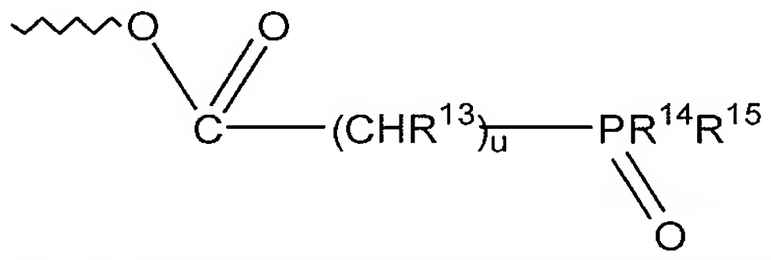

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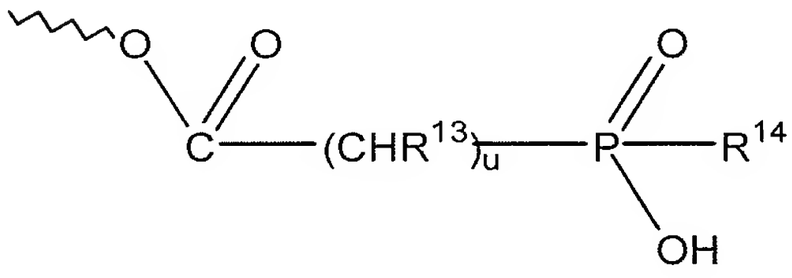


;

wherein each of R^9, R^{10}, and R^{11} is independently selected from the group consisting of H, a C_1-C_8 alkyl optionally substituted with an amine or a carboxylate; an aryl; an aryl alkyl; and a heterocycle;

wherein R^{12} is C_1-C_8 optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle,

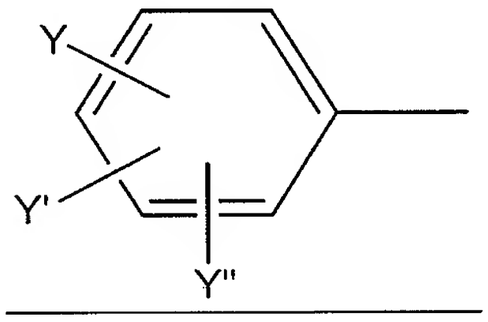
wherein each of R^{13}, R^{14}, and R^{15} is independently selected from the group consisting of H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; and a heterocycle, and wherein u is an integer from 1 to about 16,

wherein each of R^{16} and R^{17} is independently H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle; a monohydroxylic or a polyhydroxylic group;

wherein the bond between the carbon to which Y is attached and the N of NR^7 to which the carbon is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^7 is absent and Y is H, and, when the bond is a single bond, R^7 is H and Y is a substituent selected from the group defined for X, wherein Y is optionally the same as X;

wherein each of T^1 and T^2 is independently O, S, or NR^8;

wherein R, R', and R" are independently selected from the group consisting of C_1-C_{24} alkyl optionally substituted with an amino, hydroxyl, or thiol group, C_3-C_{24} cycloalkyl, C_2-C_{24} alkenyl, C_3-C_{26} alkoxyacetyl, and a group of the structure:



wherein Y and Y' are independently hydrogen, C_1-C_{24} alkyl, arylalkyl, C_2-C_{24} alkenyl, C_2-C_{24} alkynyl, C_1-C_{24} alkoxy, halogen, or Y and Y' taken together form 3,4-methylenedioxy, and Y" is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen; naphthalenalkyl optionally substituted by methyl or halogen; phenyl(C_2-C_{24} alkenyl); cinnamyl; pyridinealkyl optionally substituted with methyl or halogen; dihydropyridinealkyl optionally substituted with C_1-C_{24} alkyl; thiophenealkyl optionally substituted with methyl or halogen; C_6-C_{14} aryl; allyl; and furanalkyl optionally substituted with methyl or halogen;

wherein Z is a divalent radical of an alkane, an alkene, or an alkyne~~, any of which optionally contains a heteroatom or carbonyl and any of which is substituted or unsubstituted~~;

wherein p is an integer that is greater than or equal to 2;

wherein each of R^3, R^4, and R^8 is independently a hydrogen; a C_1-C_{24} alkyl, C_2-C_{24} alkenyl, or C_2 -C_{24} alkynyl, optionally substituted with a group selected from the group consisting of an aryl, a heterocycle, and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl;

wherein the bond between R^1 and the carbon to which R^1 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^2 is absent and R^1 is a divalent radical derived from an alkane, or an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^1 and R^2 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle; and

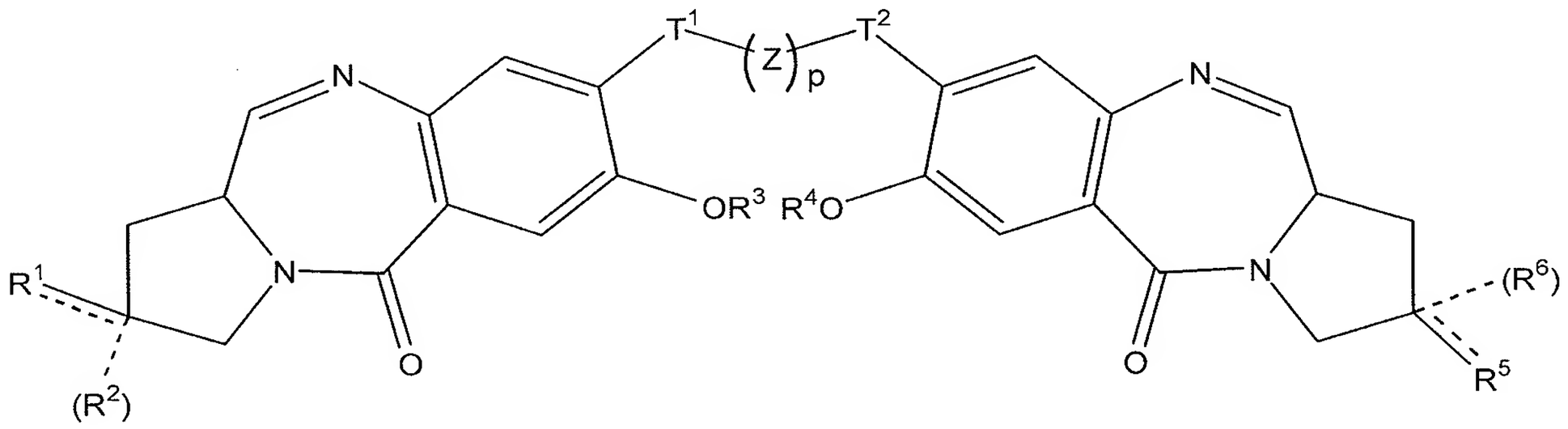
wherein the bond between R^5 and the carbon to which R^5 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^6 is absent and R^5 is a divalent radical derived from an alkane, or an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^5 and R^6 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle;

or a salt thereof; and

provided that, when each of R^1 and R^5 is CH_2 attached by a double-bond, R^2 and R^6 are absent, R^3 and R^4 are CH_3, R^7 is H, T^1 and T^2 are both O, Z is CH_2, and p is 3, then X and Y are not both methoxy, both ethoxy, or both hydroxyl; and when each of R^1, R^2, R^5, and R^6 are H, then X and Y are not both sulfide or both ether;

which method comprises:

(a) providing a compound of Formula II:



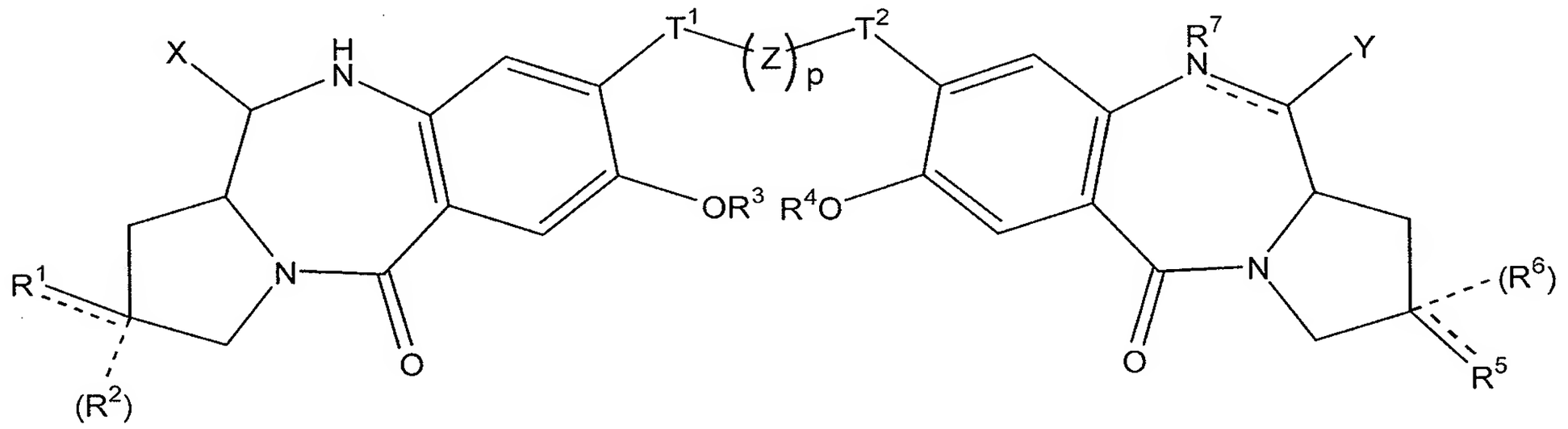
(Formula II)

wherein the definitions of R^1, R^2, R^3, R^4, R^5, R^6, T^1, T^2, Z, and p are the same as those for Formula I; and

(b) combining the compound of Formula II with a nucleophilic organic reactant other than methanol or ethanol, wherein the nucleophilic part of the nucleophilic organic reactant provides X,

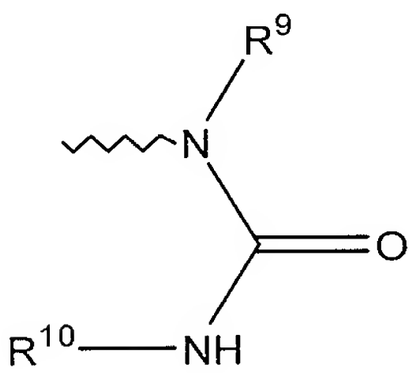
whereby the solid compound of Formula I is formed.

70. (Currently Amended) A method of preparing the compound or a salt thereof of claim 3, wherein the compound is of Formula I



(Formula I)

wherein X is a substituent selected from the group consisting of ~~an OH, an ether, a silyl ether, a trialkyl silyl ether, an ester, a carbonate, a carbamate, a thiocarbamate, a cyclic carbamate, a cyclic thiocarbamate, an acetate, SH, a sulfide, a sulphoxide, a sulphone, a sulphite, a bisulphite, a sulphonamide, an amine, an amide, an azido, a cyano, a halo, a triphenylphosphonium, a silyl, a trialkyl silyl, an amino acid-derived group, and a phosphorus-containing group~~ —$OSiH_3$, —OSiRR'R", —OCOR, —OCOOR, —OCONHR, —OCSNHR, —SH, —SR, —SOR, —SOOR, —OSO_2R, —OSO_2H, —NHSOOR, —NH_2, —NHR, —NRR', —N_3, —CN, halogen, —P^+Ph_3 X^-, —SiH_3, —SiRR'R", cysteine, and glutathione,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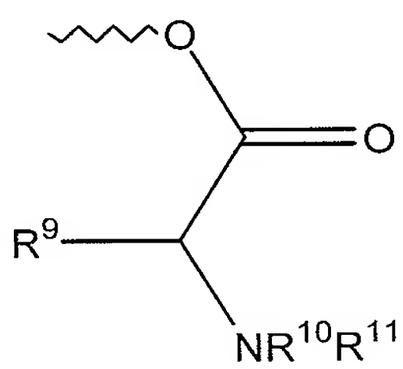
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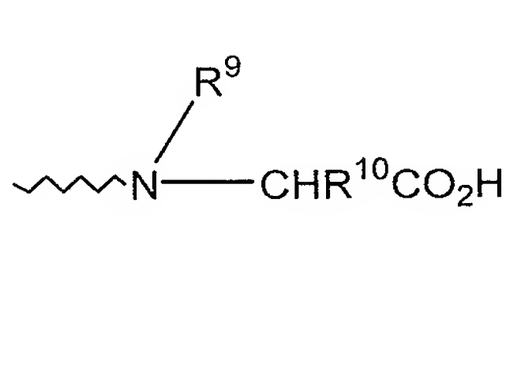
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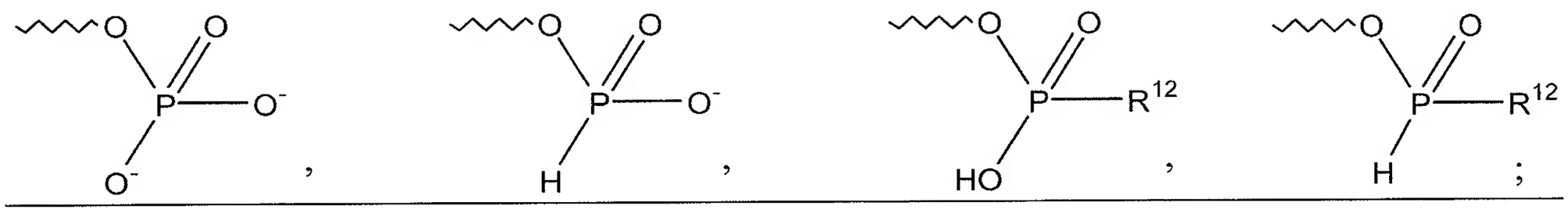
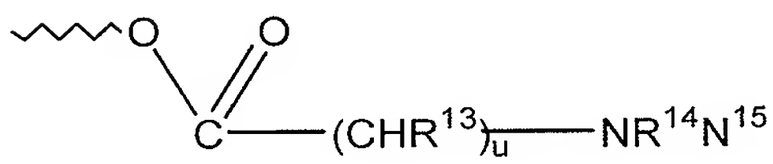
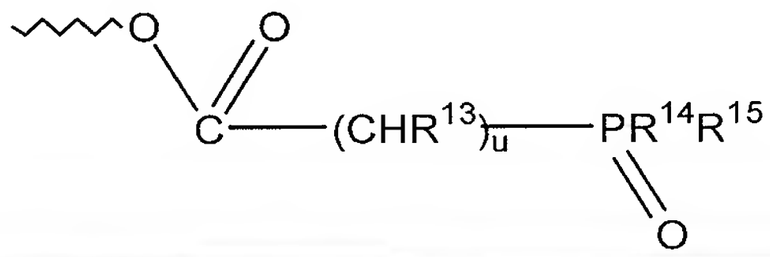
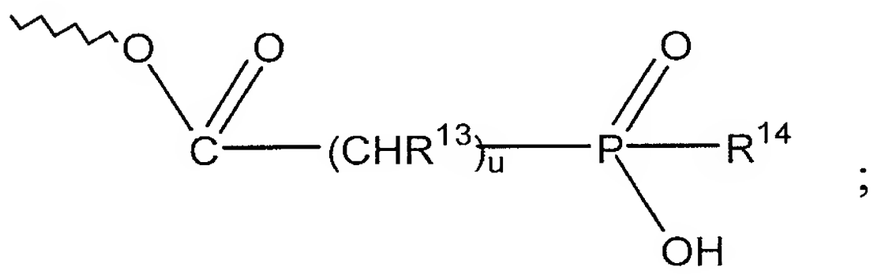








wherein each of R^9, R_{10}, and R_{11} is independently selected from the group consisting of H, a C_1-C_8 alkyl optionally substituted with an amine or a carboxylate; an aryl; an aryl alkyl; and a heterocycle;

wherein R^{12} is C_1-C_8 optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle,

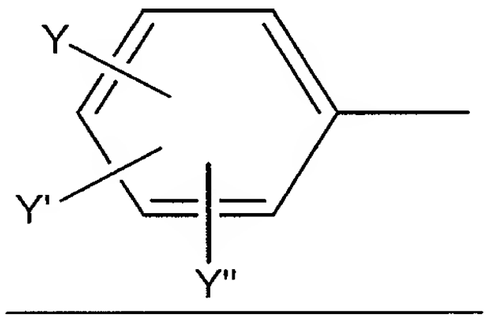
wherein each of R^{13}, R^{14}, and R^{15} is independently selected from the group consisting of H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; and a heterocycle, and wherein u is an integer from 1 to about 16,

wherein each of R^{16} and R^{17} is independently H; C_1-C_8 alkyl optionally substituted with an aryl, a heterocycle, an alkoxy, a halo, an amine, or carboxylate; an aryl; or a heterocycle; a monohydroxylic or a polyhydroxylic group;

wherein the bond between the carbon to which Y is attached and the N of NR^7 to which the carbon is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^7 is absent and Y is H, and, when the bond is a single bond, R^7 is H and Y is a substituent selected from the group defined for X, wherein Y is optionally the same as X;

wherein each of T^1 and T^2 is independently O, S, or NR^8;

wherein R, R', and R" are independently selected from the group consisting of C_1-C_{24} alkyl optionally substituted with an amino, hydroxyl, or thiol group, C_3-C_{24} cycloalkyl, C_2-C_{24} alkenyl, C_3-C_{26} alkoxyacetyl, and a group of the structure:



wherein Y and Y' are independently hydrogen, C_1-C_{24} alkyl, arylalkyl, C_2-C_{24} alkenyl, C_2-C_{24} alkynyl, C_1-C_{24} alkoxy, halogen, or Y and Y' taken together form 3,4-methylenedioxy, and Y" is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen; naphthalenalkyl optionally substituted by methyl or halogen; phenyl(C_2-C_{24} alkenyl); cinnamyl; pyridinealkyl optionally substituted with methyl or halogen; dihydropyridinealkyl optionally substituted with C_1-C_{24} alkyl; thiophenealkyl optionally substituted with methyl or halogen; C_6-C_{14} aryl; allyl; and furanalkyl optionally substituted with methyl or halogen;

wherein Z is a divalent radical of an alkane, an alkene, or an alkyne~~, any of which optionally contains a heteroatom or carbonyl and any of which is substituted or unsubstituted~~;

wherein p is an integer that is greater than or equal to 2;

wherein each of R^3, R^4, and R^8 is independently a hydrogen; a C_1-C_{24} alkyl, C_2-C_{24} alkenyl, or C_2 -C_{24} alkynyl, optionally substituted with a group selected from the group consisting of an aryl, a heterocycle, and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl;

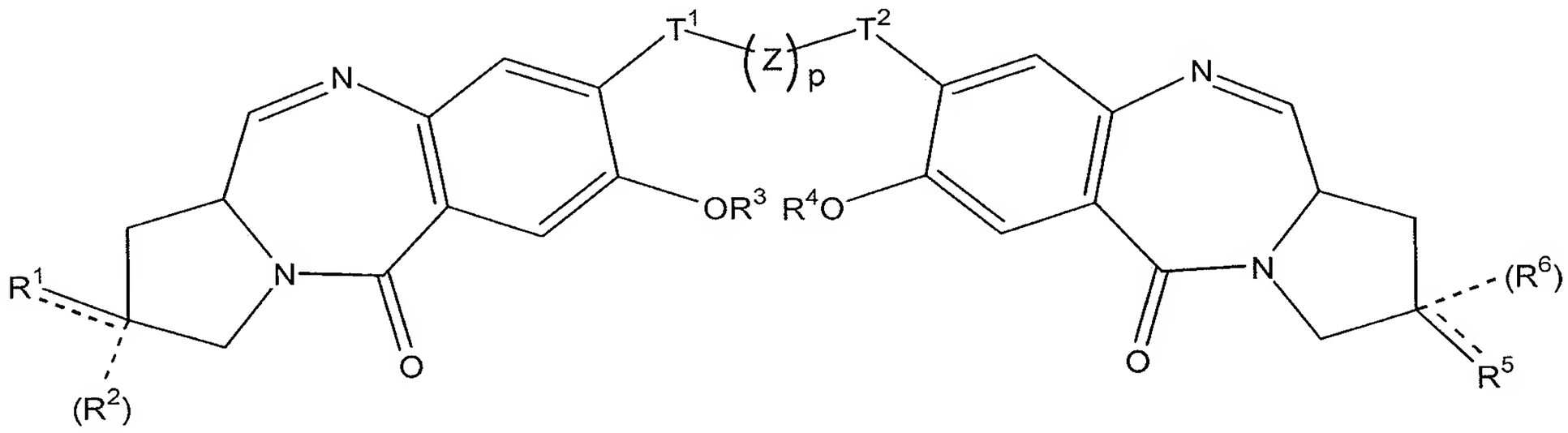
wherein the bond between R^1 and the carbon to which R^1 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^2 is absent and R^1 is a divalent radical derived from an alkane, or an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^1 and R^2 are independently selected from the group consisting of H, C_1-C_8 alkyl, and aryl, and a heterocycle; and

wherein the bond between R^5 and the carbon to which R^5 is attached is a single bond or a double bond, wherein, when the bond is a double bond, R^6 is absent and R^5 is a divalent radical derived from an alkane, an aromatic hydrocarbon, or a heterocycle, and when the bond is a single bond, R^5 and R^6 are independently selected from the group consisting of H, C_1-C_8 alkyl, aryl, and a heterocycle;

or a salt thereof; and

which method comprises:

(a) providing a compound of Formula II:



(Formula II)

wherein the definitions of R^1, R^2, R^3, R^4, R^5, R^6, T^1, T^2, Z, and p are the same as those for Formula I; and

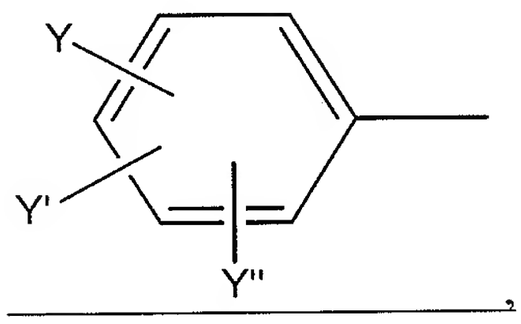
(b) combining the compound of Formula II with a nucleophilic organic reactant, wherein the nucleophilic part of the nucleophilic organic reactant provides X, and

whereby the solid compound of Formula I is formed.

71. – 80. (Canceled).

81. (Currently Amended) The compound or a salt thereof of claim 1, wherein X is selected from the group consisting of ~~OR^9~~ OR, ~~SR^{10}~~ SR, or an amine; wherein ~~each of R^9 and~~

~~R~~[10] R is independently a hydrogen, ~~an~~ a C_1-C_{24} alkyl, ~~or a substituted or unsubstituted phenyl~~ or a group of structure



wherein each of Y and Y' is independently hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen, or Y and Y' together form 3,4-methylenedioxy, and Y'' is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy or halogen; wherein the bond between the carbon to which Y is attached and the N of NR^7 to which the carbon is attached is a single bond; wherein Y is the same as X; wherein each of T^1 and T^2 is O; wherein Z is a divalent radical of an alkane; wherein p is 3; wherein each of R^3 and R^4 is independently a hydrogen or a C_1 –C_{24} alkyl; wherein the bond between R^1 and the carbon to which R^1 is attached is a single bond; and wherein the bond between R^5 and the carbon to which R^5 is attached is a single bond.

82. (Currently Amended) The compound or a salt thereof of claim 2, wherein each of T^1 and T^2 is O, p is 3 and Z is $-CH_2-$.

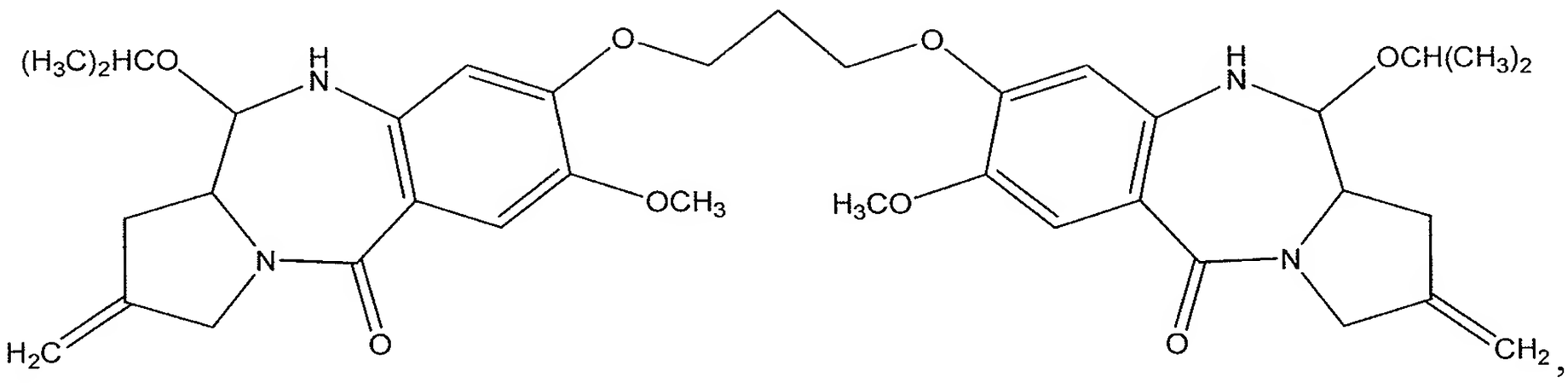
83. (Currently Amended) The compound or a salt thereof of claim 2, wherein each of R^3 and R^4 is a C_1-C_4 alkyl optionally substituted with a group selected from the group consisting of an aryl, a heterocycle, and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl.

84. (Previously Presented) The compound or a salt thereof of claim 2, wherein (a) each of X and Y is OH, (b) X is OH and Y is H, or (c) X is OR and R is ~~an~~ a C^1-C^{24} alkyl.

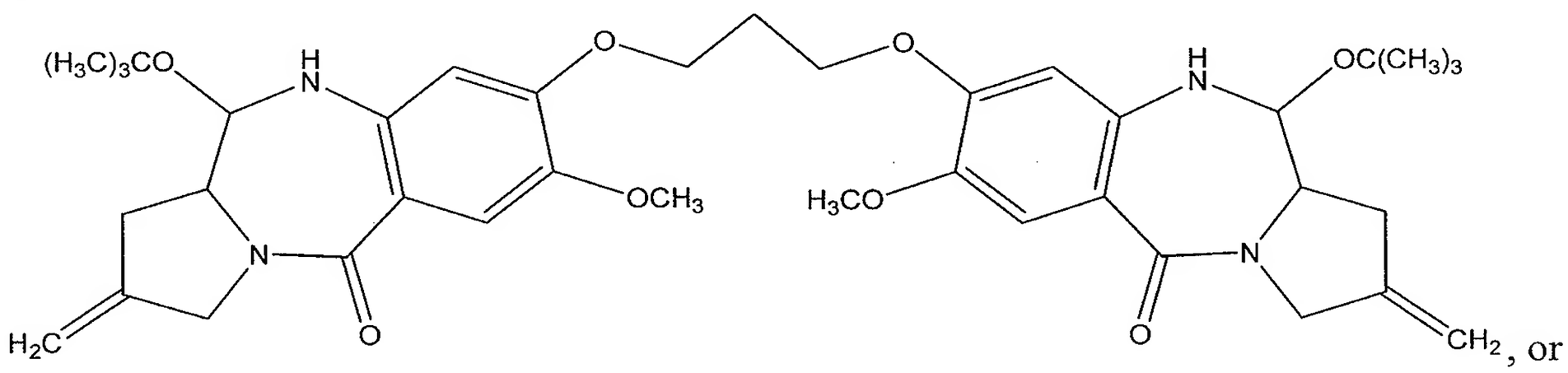
85. (Currently Amended) The compound or a salt thereof of claim 83, wherein X is OR and R is methyl, ethyl, isopropyl, or *t*-butyl.

86. (Currently Amended) The compound or a salt thereof of claim 2, wherein the compound is selected from the group consisting of:

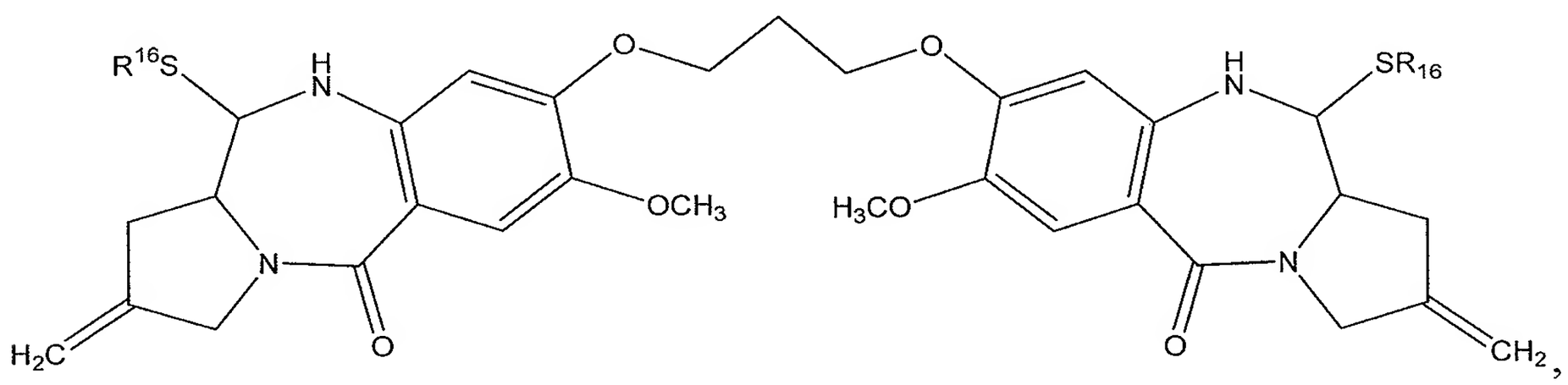
(a)



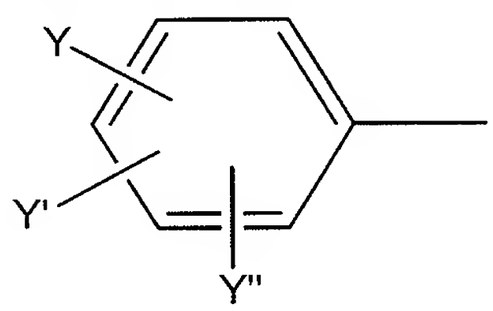
(b)



(c)



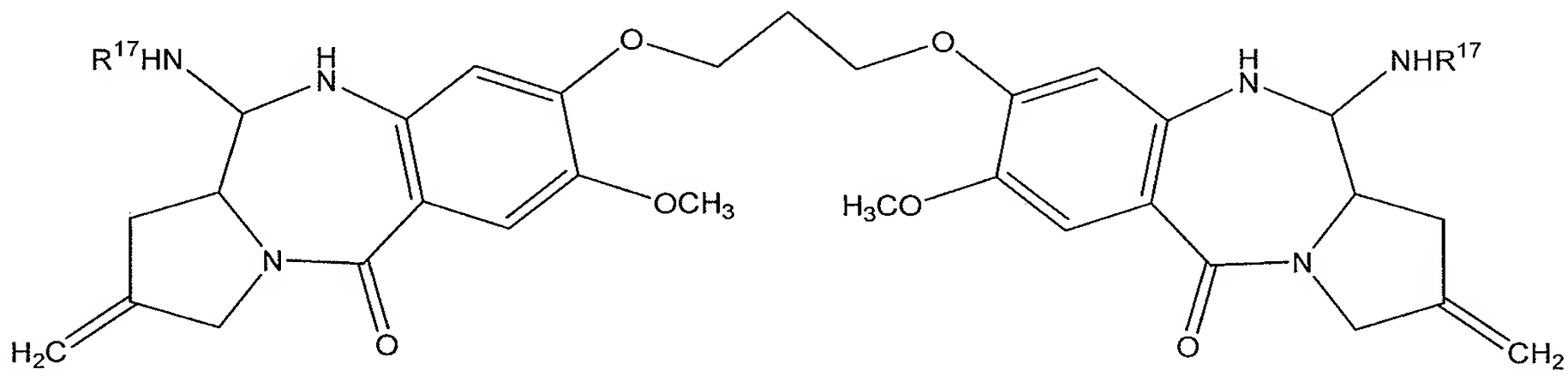
wherein, for structure (c), the following applies: R^{16} is an alkyl; a C_2-C_{24} alkenyl; ~~a cyclohexylalkyl;~~ a C_3-C_{26} alkoxyacetyl; a naphthalenalkyl optionally substituted with methyl or halogen; a phenyl (C_3-C_{26} alkenyl), wherein the phenyl is optionally substituted with methyl or halogen; a cinnamyl; a pyridinealkyl optionally substituted with methyl or halogen; a dihydropyridine alkyl optionally substituted with C_1-C_{24} alkyl; a thiophenealkyl optionally substituted with methyl or halogen; an aryl; an allyl; a furanalkyl optionally substituted with methyl or halogen; cysteine; glutathione; or a group of structure



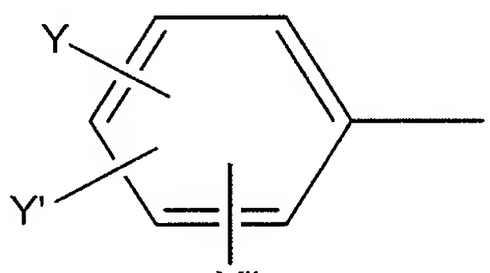
,

wherein each of Y and Y' is independently hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen, or Y and Y' together form 3,4-methylenedioxy, and Y" is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy or halogen.

87. (Currently Amended) The compound or a salt thereof of claim 2, wherein the compound is



wherein R^{17} is an alkyl; a cycloalkyl; a C_2-C_{24} alkenyl; ~~a cyclohexylalkyl;~~ a C_3-C_{26} alkoxyacetyl; a naphthalenalkyl optionally substituted with methyl or halogen; phenyl (C_2-C_{24} alkenyl), wherein the phenyl is optionally substituted with methyl or halogen; cinnamyl; pyridinealkyl optionally substituted with methyl or halogen; dihydropyridine alkyl optionally substituted with C_1-C_{24} alkyl; thiophenealkyl optionally substituted with methyl or halogen; an aryl; an allyl; furanalkyl optionally substituted with methyl or halogen; or a group of structure



,

wherein each of Y and Y' is independently hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy, or halogen, or Y and Y' together form 3,4-methylenedioxy, and Y" is hydrogen, C_1-C_{24} alkyl, C_1-C_{24} alkoxy or halogen.

88. (Currently Amended) A pharmaceutical composition comprising a compound or a salt thereof of claim 2 and a pharmaceutically acceptable carrier.

89.-90. (Canceled)

91. (Currently Amended) The compound or a salt thereof of claim 3, wherein each of T^1 and T^2 is O, p is 3 and Z is $-CH_2-$.

92. (Currently Amended) The compound or a salt thereof of claim 3, wherein each of R^3 and R^4 is a C_1-C_4 alkyl optionally substituted with a group selected from the group consisting of an aryl, ~~a heterocycle,~~ and an amine; or an aryl optionally substituted with an alkyl, an aryl, an alkoxy, a halo, an amine, a hydroxy, or a trifluoromethyl.

93. (Currently Amended) A pharmaceutical composition comprising a compound or a salt thereof of claim 3 and a pharmaceutically acceptable carrier.

94.-95. (Canceled)

96. (New) A method of treating cancer in a host comprising administering to a host a compound or a salt thereof of claim 1 in an amount effective to treat cancer in the host, wherein the cancer is leukemia, non-small cell lung cancer, colon cancer, cancer of the central nervous system, melanoma, ovarian cancer, renal cancer, prostate cancer, or breast cancer.

97. (New) The method or a salt thereof of claim 96, wherein the host is a human.

98. (New) The method or a salt thereof of claim 96, wherein the compound is administered as an injectable formulation.

99. (New) A method of treating cancer in a host comprising administering to a host a compound or a salt thereof of claim 2 in an amount effective to treat cancer in the host, wherein the cancer is leukemia, non-small cell lung cancer, colon cancer, cancer of the central nervous system, melanoma, ovarian cancer, renal cancer, prostate cancer, or breast cancer.

100. (New) The method of claim 99, wherein the host is a human.

101. (New) The method of claim 99, wherein the compound is administered as an injectable formulation.

102. (New) A method of treating cancer in a host comprising administering to a host a compound or a salt thereof of claim 3 in an amount effective to treat cancer in the host, wherein the cancer is leukemia, non-small cell lung cancer, colon cancer, cancer of the central nervous system, melanoma, ovarian cancer, renal cancer, prostate cancer, or breast cancer.

103. (New) The method of claim 102, wherein the host is a human.

104. (New) The method of claim 102, wherein the compound is administered as an injectable formulation.